

Data File : VV009225.D
Acq On : 18 Jan 2019 17:22
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00 G/5ML/MSVOA_V/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Quant Time: Jan 19 02:58:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V011819S.M
Quant Title : SW846 8260
QLast Update : Sat Jan 19 02:50:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	91938	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	159230	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	150688	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	78231	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.08	65	137435	111.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	223.60%	
35) Dibromofluoromethane	4.64	113	117950	112.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	225.68%	
50) Toluene-d8	7.36	98	448487	113.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	226.66%	
62) 4-Bromofluorobenzene	10.12	95	176643	114.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	229.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	70397	99.155	ug/l	99
3) Chloromethane	1.25	50	105981	105.269	ug/l	99
4) Vinyl Chloride	1.32	62	101875	102.965	ug/l	98
5) Bromomethane	1.53	94	66977	103.506	ug/l	99
6) Chloroethane	1.60	64	63695	103.110	ug/l	98
7) Trichlorofluoromethane	1.76	101	58663	101.930	ug/l	99
8) Diethyl Ether	1.96	74	54265	112.919	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.14	101	90988	101.792	ug/l	98
10) Methyl Iodide	2.26	142	154849	107.451	ug/l	99
11) Tert butyl alcohol	2.66	59	39831	558.894	ug/l	100
12) 1,1-Dichloroethene	2.14	96	91841	106.702	ug/l	95
13) Acrolein	2.05	56	30063	514.059	ug/l	96
14) Allyl chloride	2.42	41	162497	104.663	ug/l	99
15) Acrylonitrile	2.76	53	115141	571.201	ug/l	99
16) Acetone	2.17	43	134871	532.902	ug/l	99
17) Carbon Disulfide	2.32	76	278561	104.511	ug/l	99
18) Methyl Acetate	2.45	43	76867	115.638	ug/l	98
19) Methyl tert-butyl Ether	2.80	73	148412	105.484	ug/l	99
20) Methylene Chloride	2.53	84	101599	103.484	ug/l	98
21) trans-1,2-Dichloroethene	2.78	96	101118	106.472	ug/l	99
22) Diisopropyl ether	3.32	45	381253	107.848	ug/l	94
23) Vinyl Acetate	3.30	43	1118557	581.644	ug/l	99
24) 1,1-Dichloroethane	3.22	63	223618	107.485	ug/l	99
25) 2-Butanone	4.01	43	191952	604.520	ug/l	100
26) 2,2-Dichloropropane	3.95	77	125158	107.813	ug/l	100
27) cis-1,2-Dichloroethene	3.95	96	130877	107.610	ug/l	99
28) Bromochloromethane	4.29	49	91765	105.011	ug/l	100
29) Tetrahydrofuran	4.38	42	113608	597.522	ug/l	99
30) Chloroform	4.42	83	234526	106.970	ug/l	99
31) Cyclohexane	4.72	56	185502	104.470	ug/l	96
32) 1,1,1-Trichloroethane	4.65	97	183190	103.054	ug/l	98
36) 1,1-Dichloropropene	4.87	75	167646	107.847	ug/l	99
37) Ethyl Acetate	4.12	43	81583	124.139	ug/l	99
38) Carbon Tetrachloride	4.87	117	172833	109.081	ug/l	99

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	201636	107.929	ug/l	97
40) Benzene	5.14	78	488147	107.944	ug/l	98
41) Methacrylonitrile	4.30	41	47099	122.246	ug/l	97
42) 1,2-Dichloroethane	5.17	62	168805	111.342	ug/l	100
43) Isopropyl Acetate	5.32	43	156850	121.914	ug/l	99
44) Trichloroethene	5.95	130	123933	108.995	ug/l	99
45) 1,2-Dichloropropane	6.22	63	125367	111.056	ug/l	99
46) Dibromomethane	6.35	93	68237	114.455	ug/l	99
47) Bromodichloromethane	6.55	83	182532	115.335	ug/l	99
48) Methyl methacrylate	6.41	41	81008	119.989	ug/l	97
49) 1,4-Dioxane	6.41	88	18841	2350.329	ug/l	98
51) 4-Methyl-2-Pentanone	7.27	43	391408	581.798	ug/l	98
52) Toluene	7.43	92	313455	109.330	ug/l	100
53) t-1,3-Dichloropropene	7.69	75	181705	117.074	ug/l	98
54) cis-1,3-Dichloropropene	7.07	75	203544	113.522	ug/l	99
55) 1,1,2-Trichloroethane	7.88	97	93005	116.519	ug/l	96
56) Ethyl methacrylate	7.83	69	122152	121.756	ug/l	99
57) 1,3-Dichloropropane	8.05	76	169940	112.910	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.93	63	12870	1427.633	ug/l #	88
59) 2-Hexanone	8.18	43	291134	603.639	ug/l	98
60) Dibromochloromethane	8.29	129	116506	118.540	ug/l	99
61) 1,2-Dibromoethane	8.40	107	93971	117.794	ug/l	98
64) Tetrachloroethene	8.02	164	101772	108.895	ug/l	98
65) Chlorobenzene	8.92	112	344695	108.694	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.02	131	123981	110.089	ug/l	99
67) Ethyl Benzene	9.05	91	618266	108.120	ug/l	99
68) m/p-Xylenes	9.18	106	463306	217.155	ug/l	98
69) o-Xylene	9.59	106	222822	108.842	ug/l	100
70) Styrene	9.60	104	369583	110.063	ug/l	100
71) Bromoform	9.77	173	65117	119.459	ug/l #	100
73) Isopropylbenzene	9.97	105	618097	106.165	ug/l	100
74) N-amyl acetate	9.84	43	146271	118.209	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.29	83	115806	111.762	ug/l	99
76) 1,2,3-Trichloropropane	10.05	75	31680	40.518	ug/l	81
77) Bromobenzene	10.26	156	136830	107.627	ug/l	99
78) n-propylbenzene	10.40	91	735366	105.757	ug/l	99
79) 2-Chlorotoluene	10.47	91	441958	106.479	ug/l	100
80) 1,3,5-Trimethylbenzene	10.59	105	523686	105.740	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.05	75	34934	117.422	ug/l	96
82) 4-Chlorotoluene	10.58	91	523649	104.752	ug/l	99
83) tert-Butylbenzene	10.91	119	497202	105.960	ug/l	100
84) 1,2,4-Trimethylbenzene	10.96	105	538886	106.412	ug/l	100
85) sec-Butylbenzene	11.13	105	637890	105.777	ug/l	100
86) p-Isopropyltoluene	11.29	119	568323	106.023	ug/l	99
87) 1,3-Dichlorobenzene	11.23	146	275220	107.027	ug/l	99
88) 1,4-Dichlorobenzene	11.32	146	277877	107.087	ug/l	99
89) n-Butylbenzene	11.70	91	557386	105.932	ug/l	99
90) Hexachloroethane	11.95	117	107679	109.527	ug/l	99
91) 1,2-Dichlorobenzene	11.69	146	249750	108.004	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.48	75	21227	116.925	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV011819\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.31	180	176062	114.441	ug/l	99
94) Hexachlorobutadiene	13.49	225	94740	107.565	ug/l	99
95) Naphthalene	13.55	128	335402	121.017	ug/l	100
96) 1,2,3-Trichlorobenzene	13.79	180	152617	112.537	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_V
ClientSampleId :
VSTDICC100

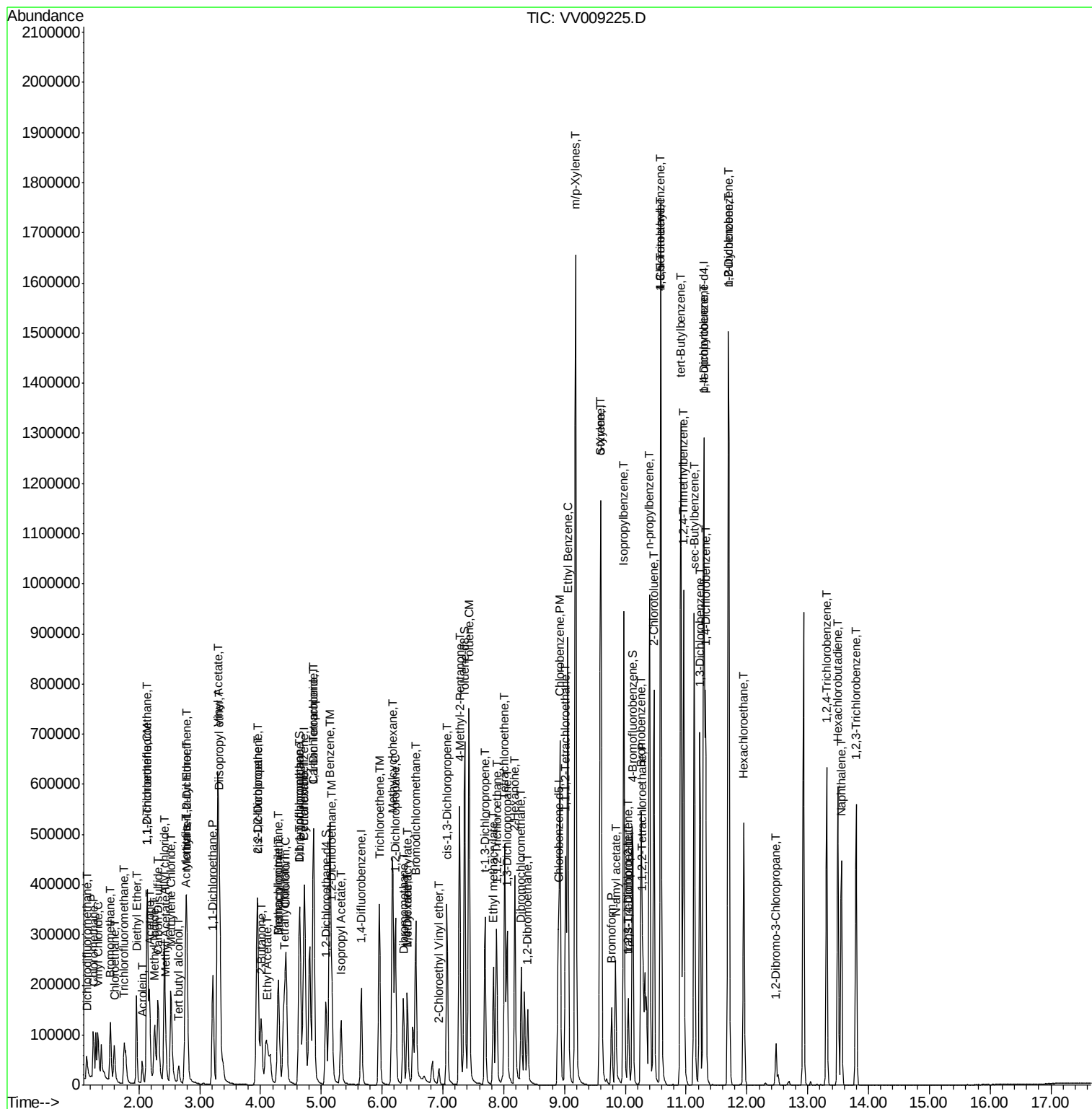
Quant Time: Jan 19 02:58:19 2019

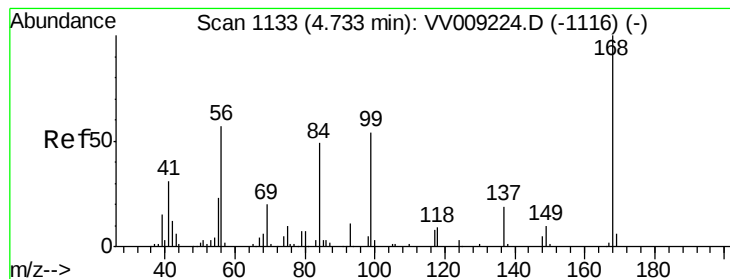
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\82V011819S.M

Quant Title : SW846 8260

QLast Update : Sat Jan 19 02:50:58 2019

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.73 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

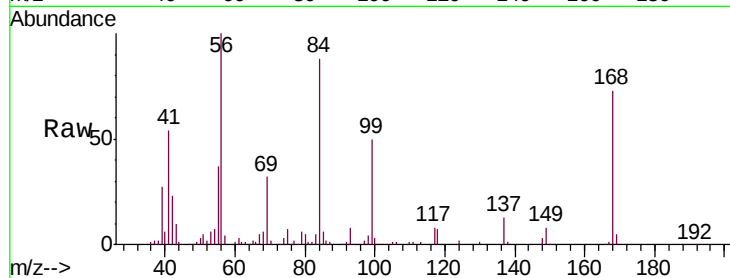
VSTDIC100

Tgt Ion:168 Resp: 91938

Ion Ratio Lower Upper

168 100

99 68.2 54.7 82.1

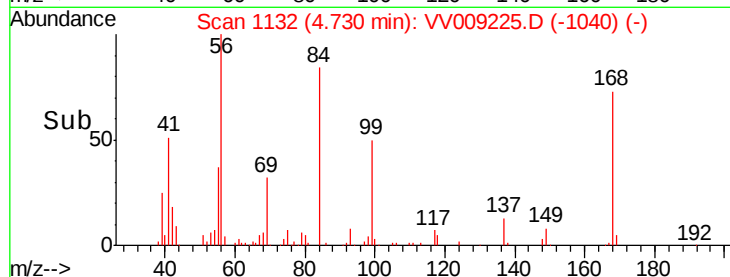


Abundance Ion 167.90 (167.60 to 168.60): VV009224.D (-1116) (-)

Ion 98.90 (98.60 to 99.60): VV009224.D (-1116) (-)

4.73

Time-->



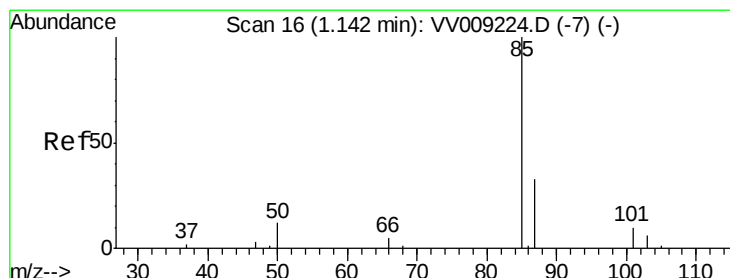
Abundance

Ion 167.90 (167.60 to 168.60): VV009224.D (-1116) (-)

Ion 98.90 (98.60 to 99.60): VV009224.D (-1116) (-)

4.73

Time-->



#2

Dichlorodifluoromethane

Concen: 99.155 ug/l

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV009225.D

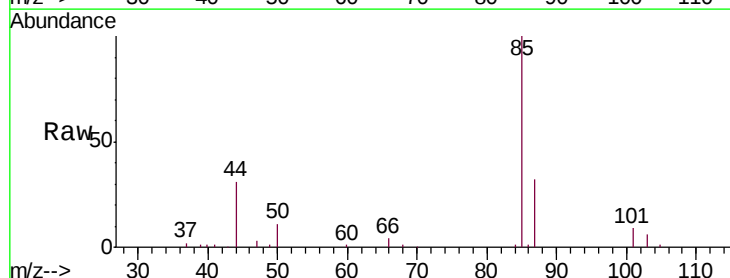
Acq: 18 Jan 2019 17:22

Tgt Ion: 85 Resp: 70397

Ion Ratio Lower Upper

85 100

87 32.1 16.4 49.4

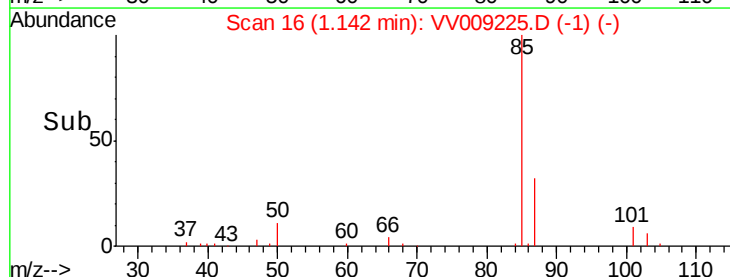


Abundance Ion 84.90 (84.60 to 85.60): VV009224.D (-7) (-)

Ion 86.90 (86.60 to 87.60): VV009224.D (-7) (-)

1.14

Time-->



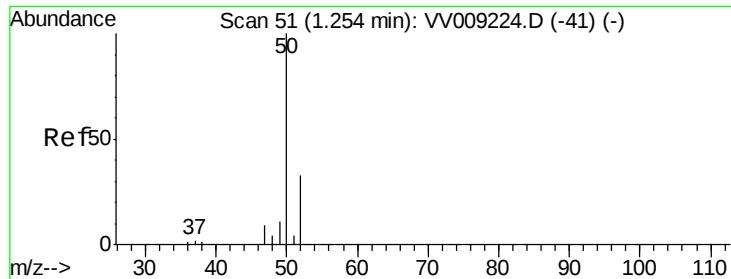
Abundance

Ion 84.90 (84.60 to 85.60): VV009224.D (-7) (-)

Ion 86.90 (86.60 to 87.60): VV009224.D (-7) (-)

1.14

Time-->



#3

Chloromethane

Concen: 105.269 ug/l

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

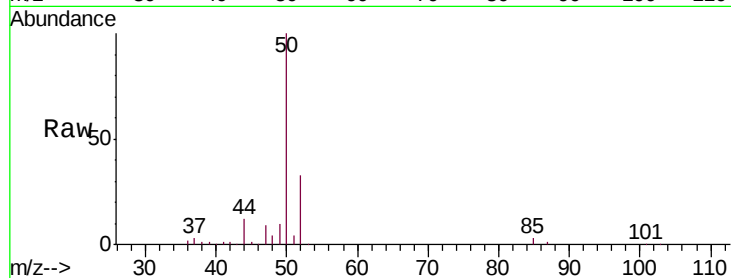
VSTDIC100

Tgt Ion: 50 Resp: 105981

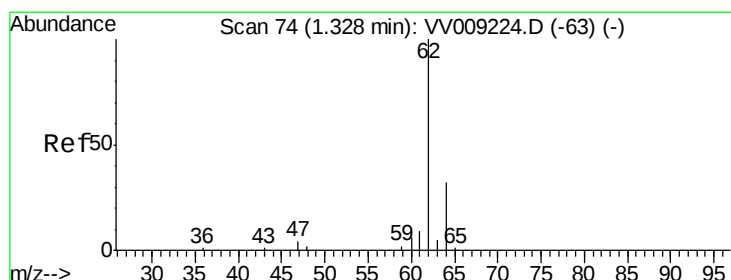
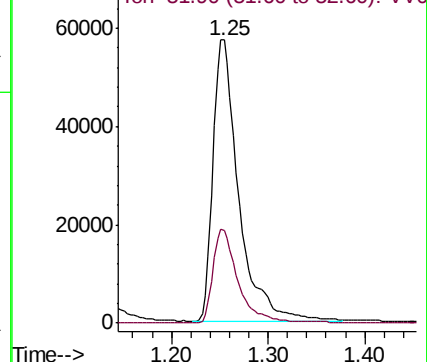
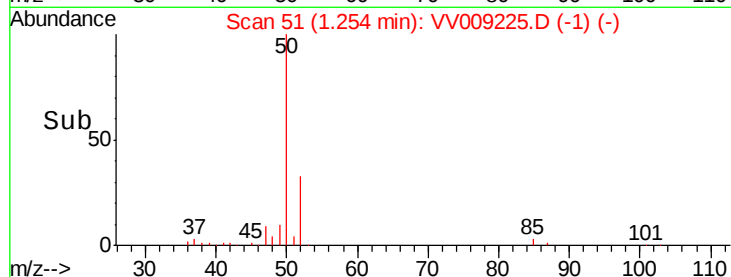
Ion Ratio Lower Upper

50 100

52 33.0 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VV009225.D (-1) (-)



#4

Vinyl Chloride

Concen: 102.965 ug/l

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV009225.D

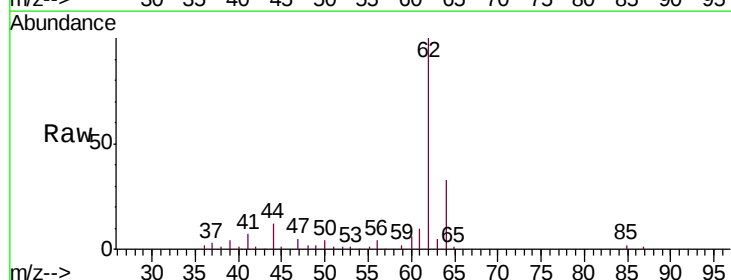
Acq: 18 Jan 2019 17:22

Tgt Ion: 62 Resp: 101875

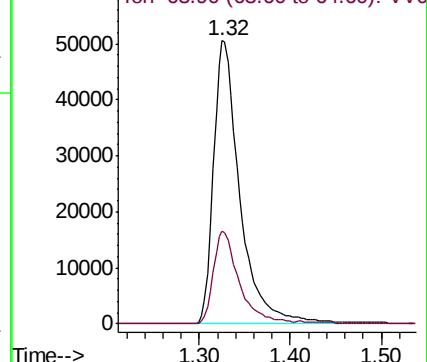
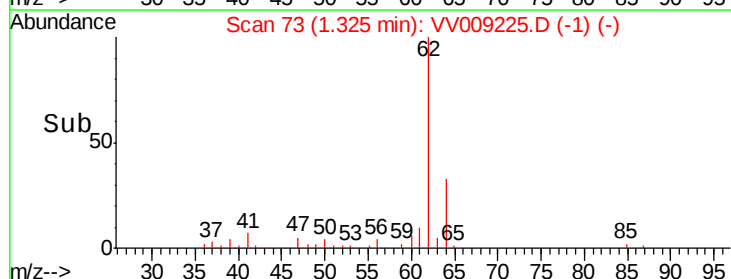
Ion Ratio Lower Upper

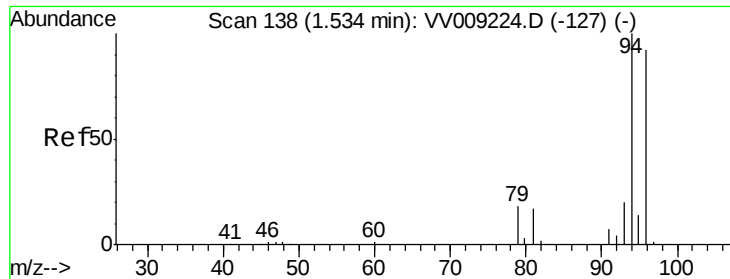
62 100

64 33.0 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VV009225.D (-1) (-)

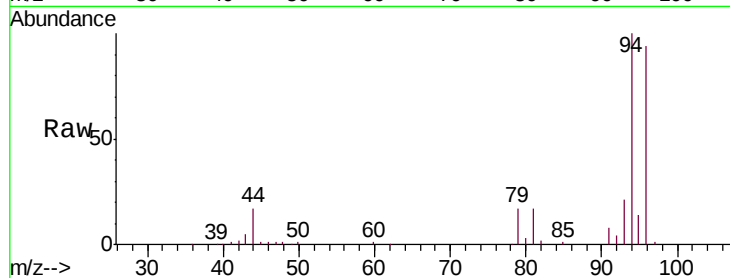




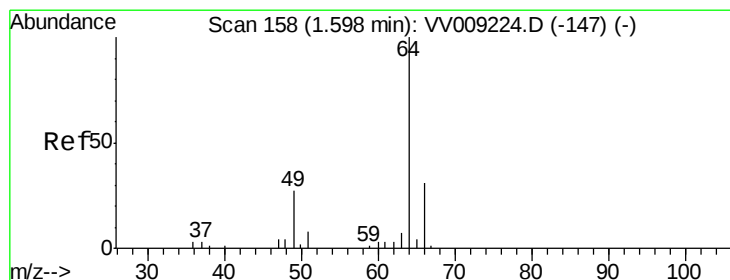
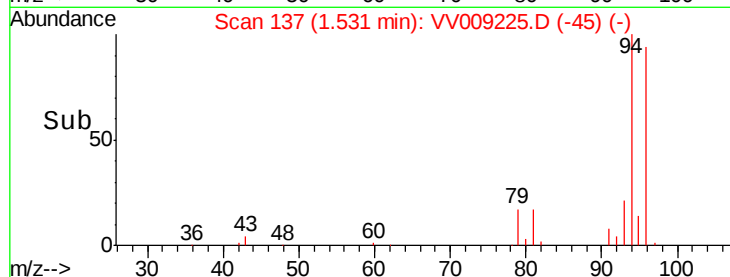
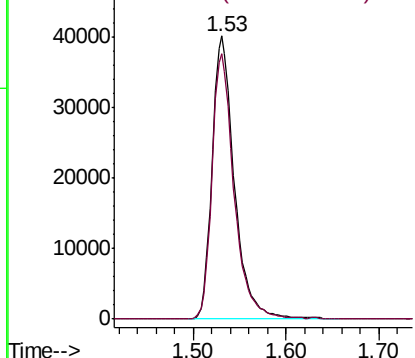
#5
Bromomethane
Concen: 103.506 ug/l
RT: 1.53 min Scan# 137
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

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ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 66977
Ion Ratio Lower Upper
94 100
96 93.7 73.9 110.9

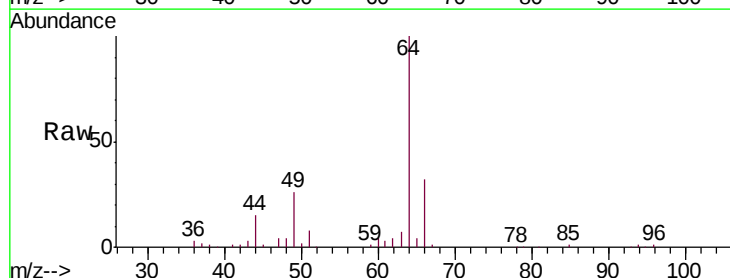


Abundance Ion 93.90 (93.60 to 94.60): VV0
Ion 95.90 (95.60 to 96.60): VV0

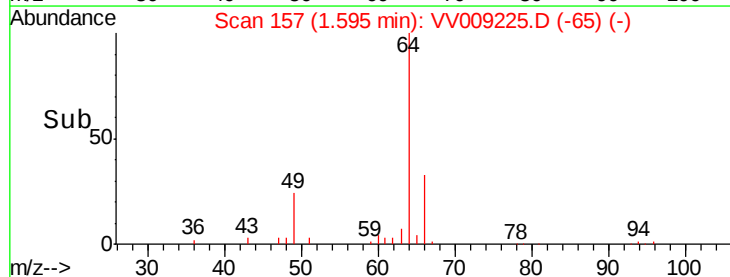
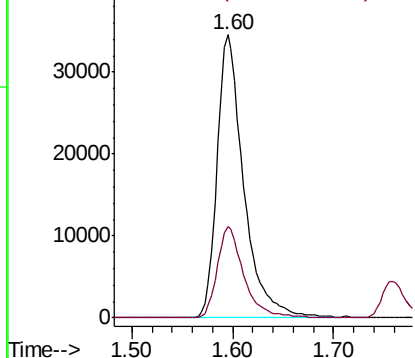


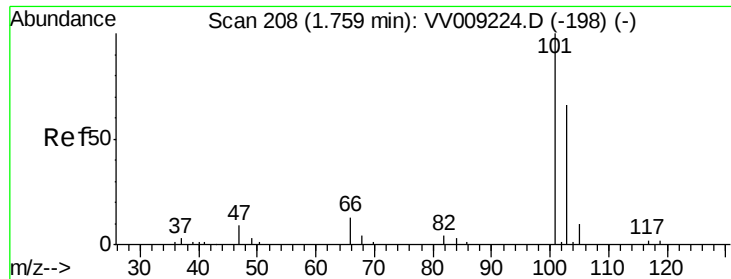
#6
Chloroethane
Concen: 103.110 ug/l
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Tgt Ion: 64 Resp: 63695
Ion Ratio Lower Upper
64 100
66 32.4 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VV0
Ion 65.90 (65.60 to 66.60): VV0



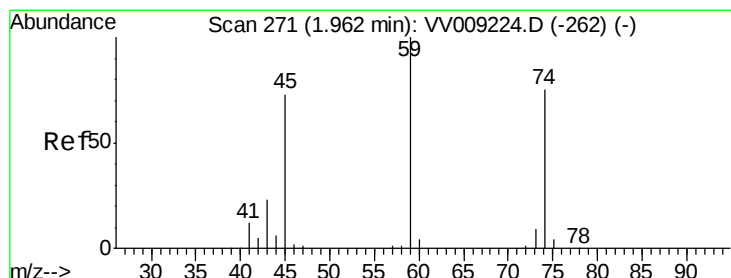
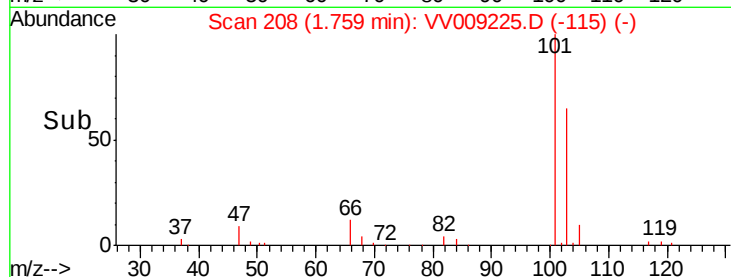
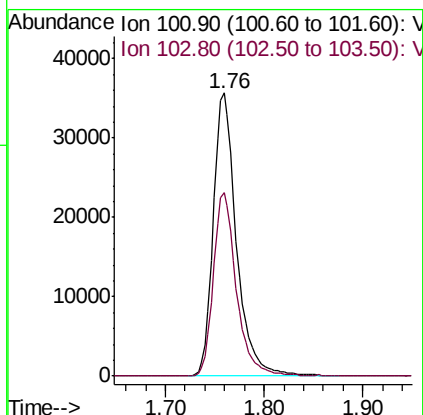
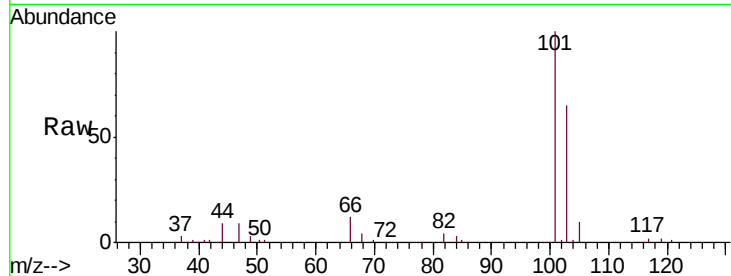


#7

Trichlorofluoromethane
 Concen: 101.930 ug/l
 RT: 1.76 min Scan# 208
 Delta R.T. -0.00 min
 Lab File: VV009225.D
 Acq: 18 Jan 2019 17:22

Instrument :
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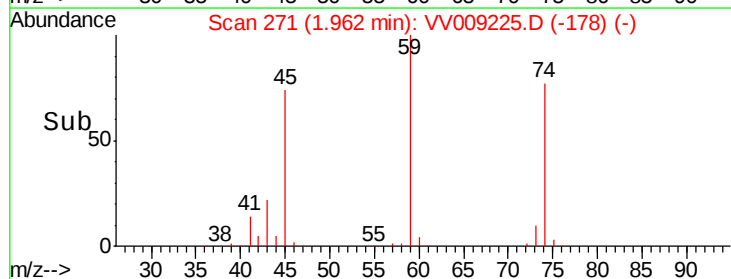
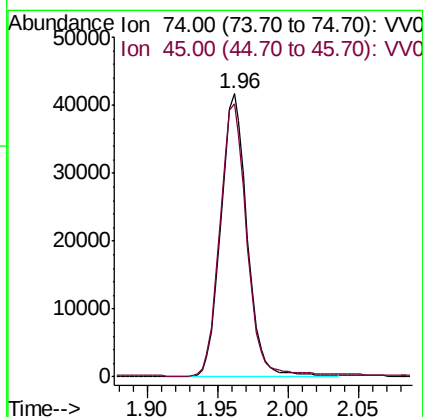
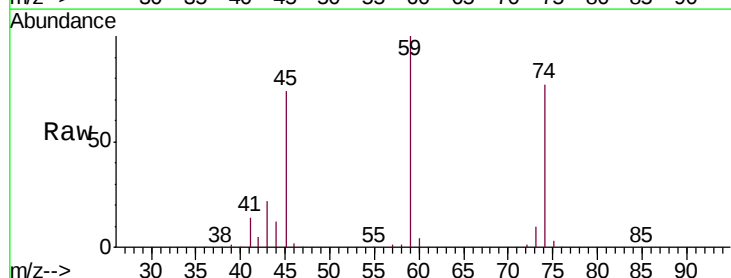
Tgt Ion:101 Resp: 58663
 Ion Ratio Lower Upper
 101 100
 103 64.8 52.6 79.0

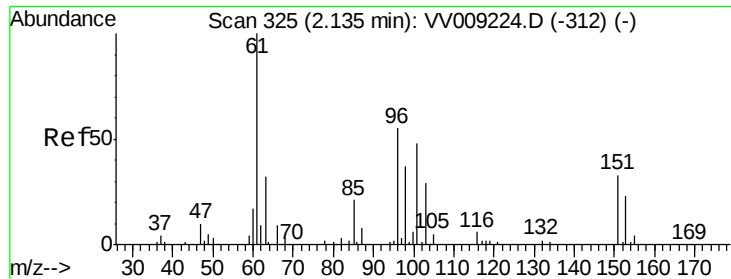


#8

Diethyl Ether
 Concen: 112.919 ug/l
 RT: 1.96 min Scan# 271
 Delta R.T. -0.00 min
 Lab File: VV009225.D
 Acq: 18 Jan 2019 17:22

Tgt Ion: 74 Resp: 54265
 Ion Ratio Lower Upper
 74 100
 45 99.0 49.4 148.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 101.792 ug/l

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

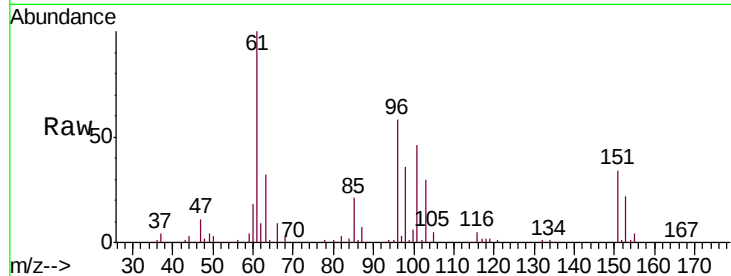
Tgt Ion:101 Resp: 90988

Ion Ratio Lower Upper

101 100

85 45.1 36.2 54.4

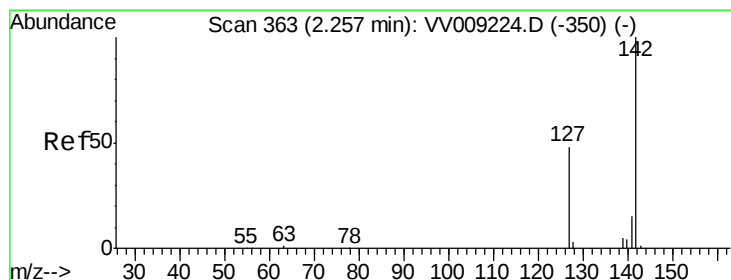
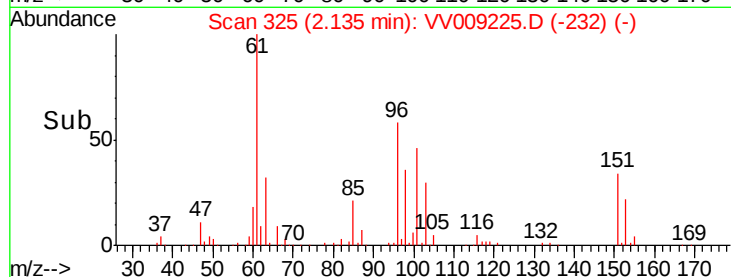
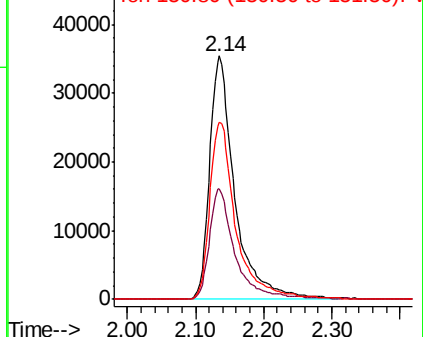
151 74.5 57.9 86.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VV0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 107.451 ug/l

RT: 2.26 min Scan# 363

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

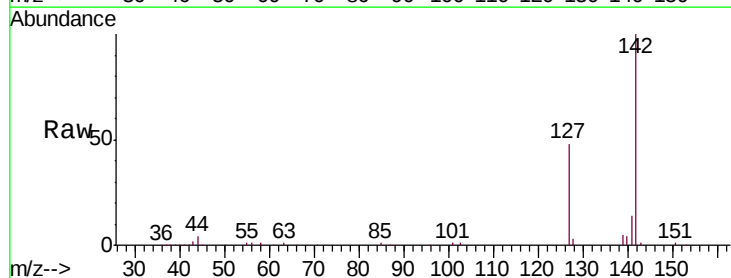
Tgt Ion:142 Resp: 154849

Ion Ratio Lower Upper

142 100

127 48.0 39.0 58.4

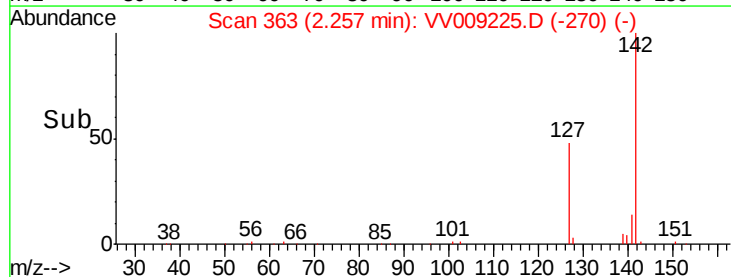
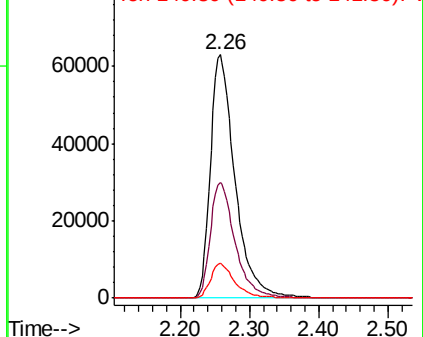
141 14.1 11.4 17.0

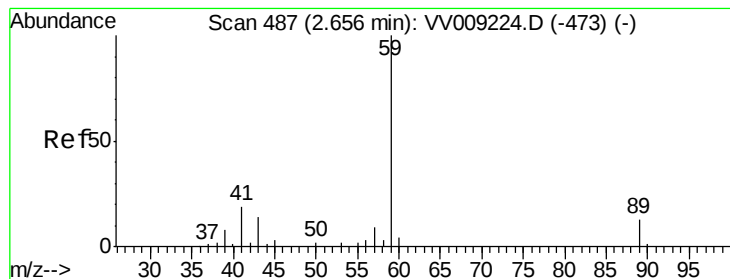


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



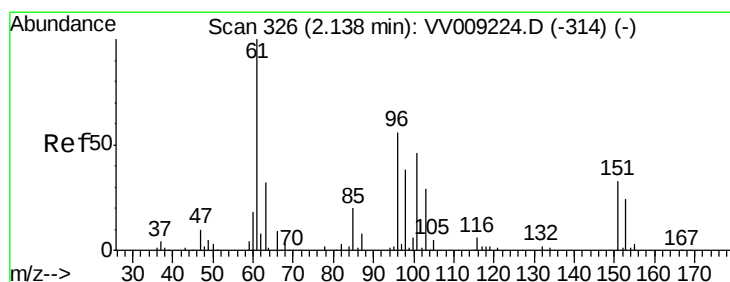
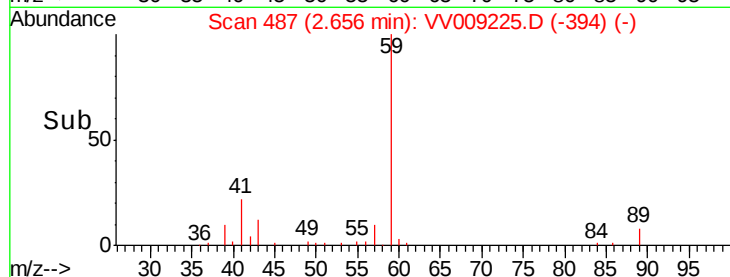
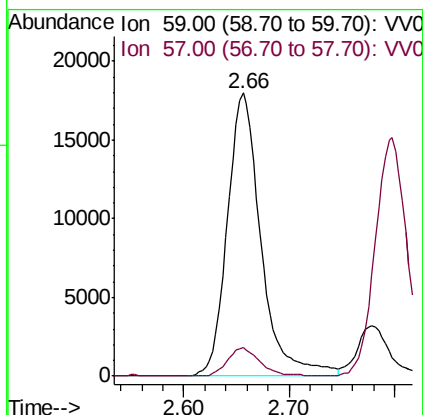
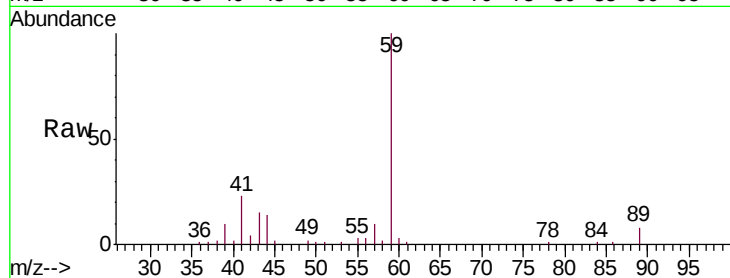


#11

Tert butyl alcohol
Concen: 558.894 ug/l
RT: 2.66 min Scan# 487
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

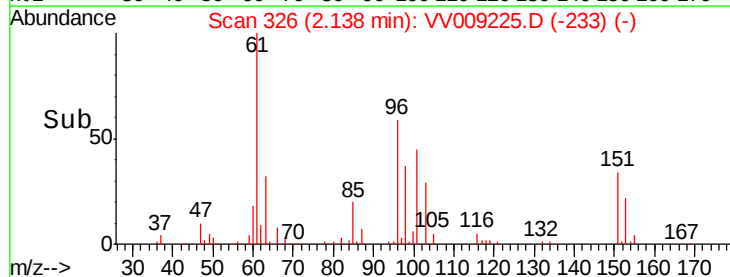
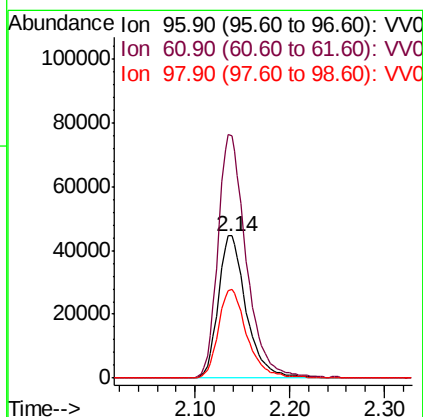
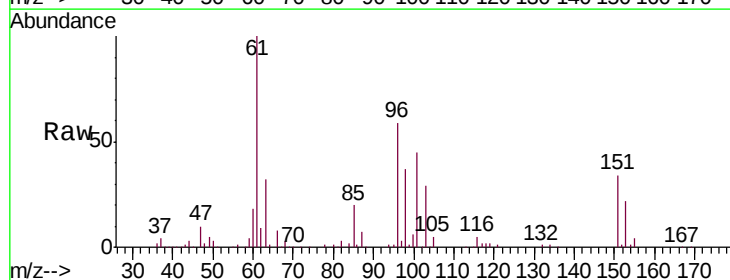
Tgt Ion: 59 Resp: 39831
Ion Ratio Lower Upper
59 100
57 9.4 7.5 11.3

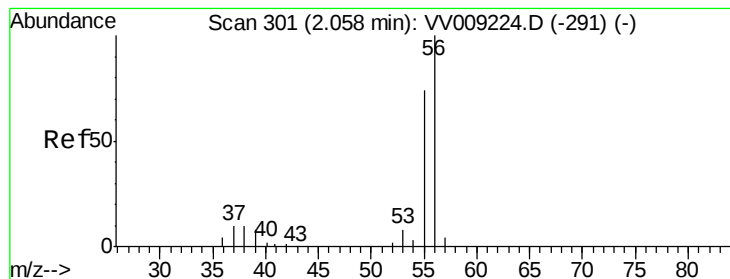


#12

1,1-Dichloroethene
Concen: 106.702 ug/l
RT: 2.14 min Scan# 326
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Tgt Ion: 96 Resp: 91841
Ion Ratio Lower Upper
96 100
61 170.0 141.9 212.9
98 62.7 53.3 79.9





#13

Acrolein

Concen: 514.059 ug/l

RT: 2.05 min Scan# 300

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

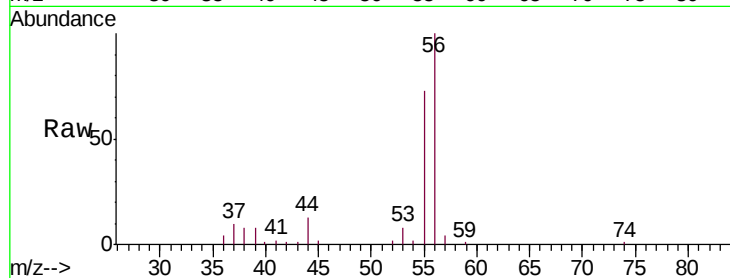
VSTDIC100

Tgt Ion: 56 Resp: 30063

Ion Ratio Lower Upper

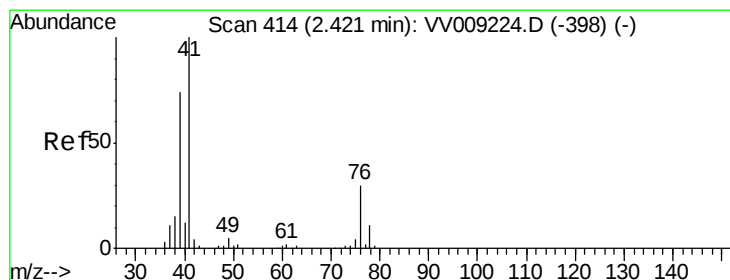
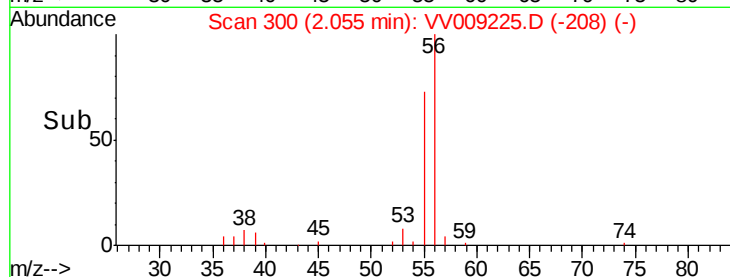
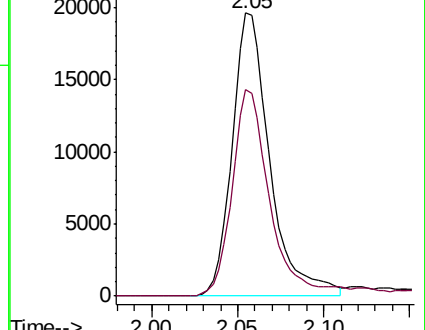
56 100

55 73.0 56.0 84.0



Abundance Ion 56.00 (55.70 to 56.70): VV009224.D (-291) (-)

Ion 55.00 (54.70 to 55.70): VV009224.D (-291) (-)



#14

Allyl chloride

Concen: 104.663 ug/l

RT: 2.42 min Scan# 413

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

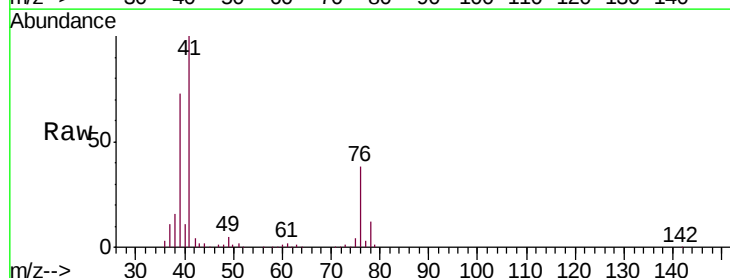
Tgt Ion: 41 Resp: 162497

Ion Ratio Lower Upper

41 100

39 71.8 58.2 87.2

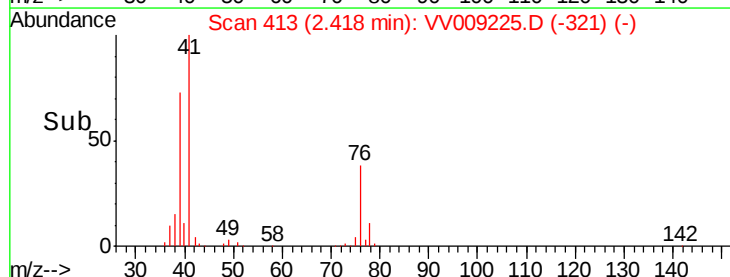
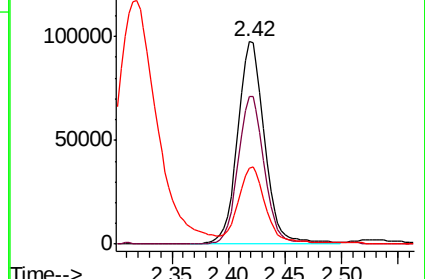
76 38.0 29.4 44.2

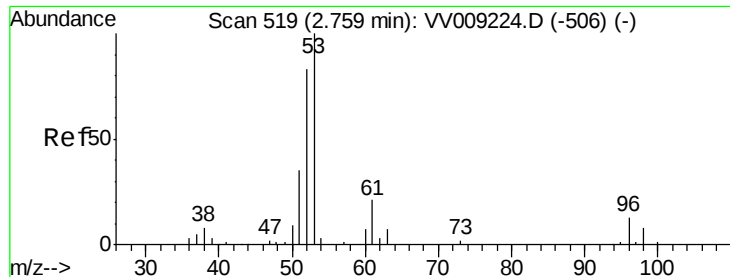


Abundance Ion 41.00 (40.70 to 41.70): VV009224.D (-398) (-)

Ion 39.00 (38.70 to 39.70): VV009224.D (-398) (-)

Ion 75.90 (75.60 to 76.60): VV009224.D (-398) (-)





#15

Acrylonitrile

Concen: 571.201 ug/l

RT: 2.76 min Scan# 519

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

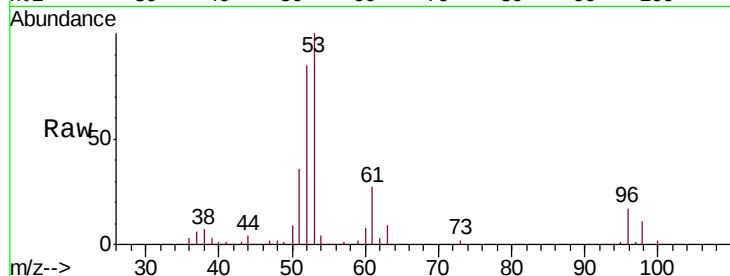
Tgt Ion: 53 Resp: 115141

Ion Ratio Lower Upper

53 100

52 82.9 65.8 98.6

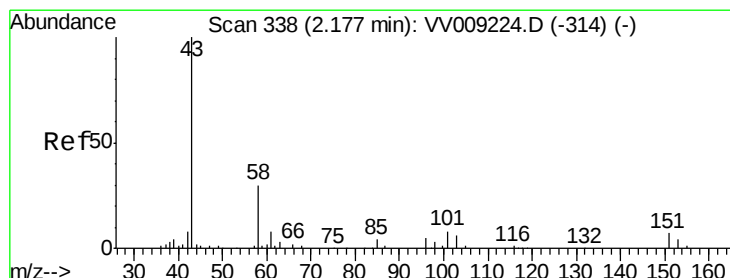
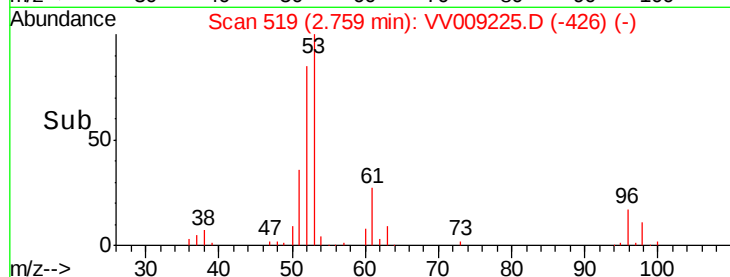
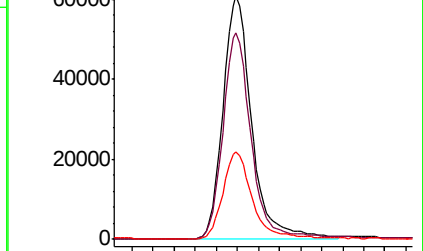
51 37.2 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VV009225.D (-426) (-)

Ion 52.00 (51.70 to 52.70): VV009225.D (-426) (-)

Ion 51.00 (50.70 to 51.70): VV009225.D (-426) (-)



#16

Acetone

Concen: 532.902 ug/l

RT: 2.17 min Scan# 337

Delta R.T. -0.00 min

Lab File: VV009225.D

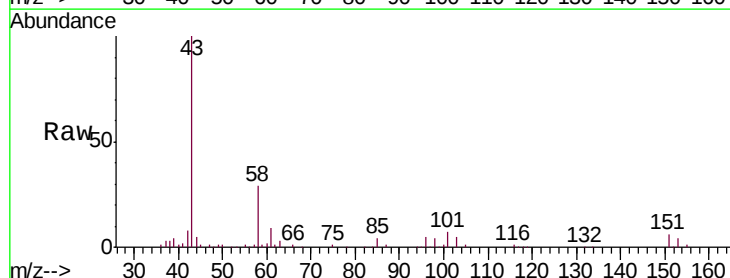
Acq: 18 Jan 2019 17:22

Tgt Ion: 43 Resp: 134871

Ion Ratio Lower Upper

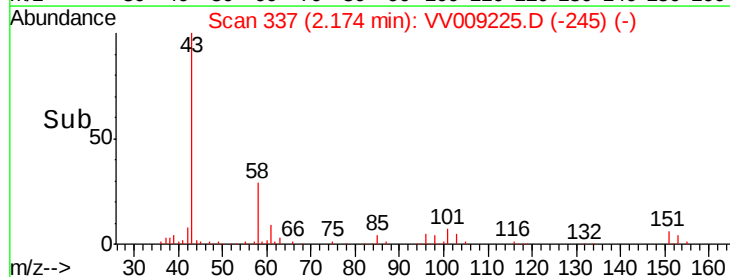
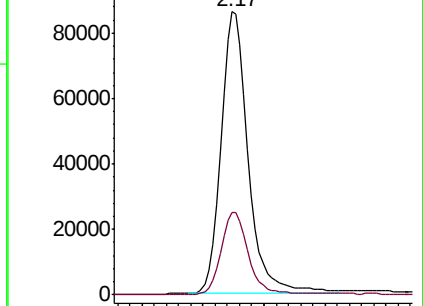
43 100

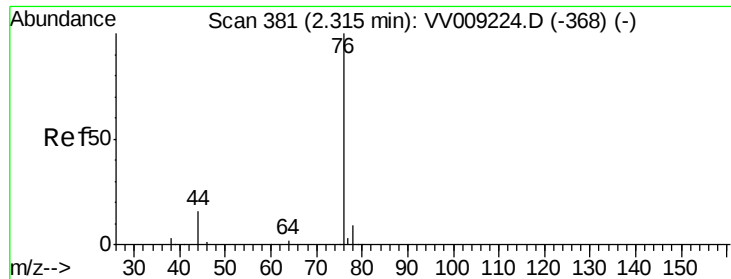
58 29.3 23.9 35.9



Abundance Ion 43.00 (42.70 to 43.70): VV009225.D (-245) (-)

Ion 58.00 (57.70 to 58.70): VV009225.D (-245) (-)





#17

Carbon Disulfide

Concen: 104.511 ug/l

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

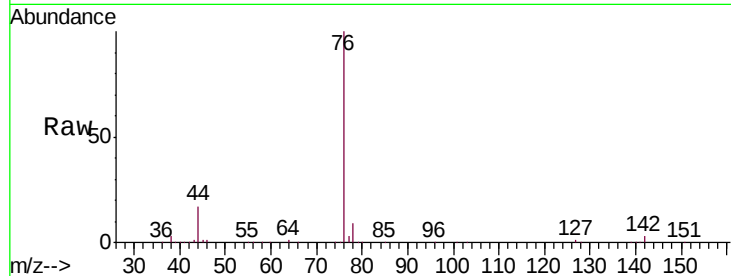
VSTDIC100

Tgt Ion: 76 Resp: 278561

Ion Ratio Lower Upper

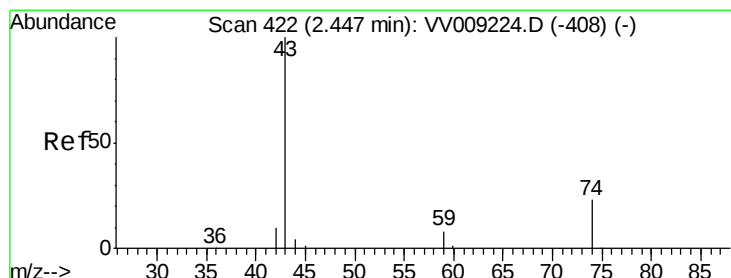
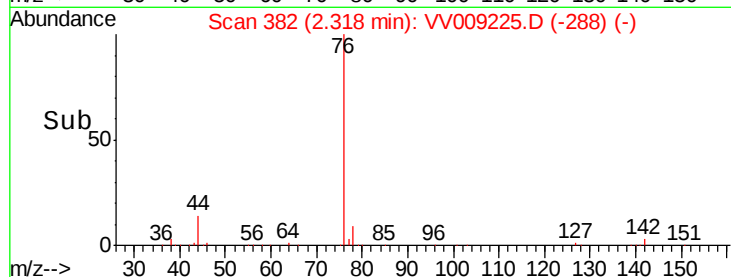
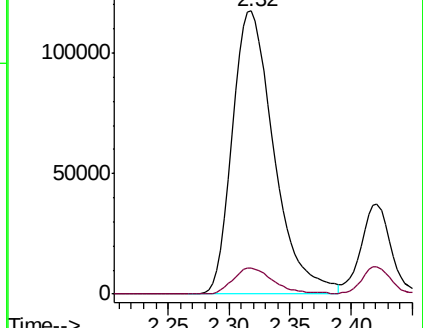
76 100

78 9.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VV009225.D (-288) (-)

Ion 77.90 (77.60 to 78.60): VV009225.D (-288) (-)



#18

Methyl Acetate

Concen: 115.638 ug/l

RT: 2.45 min Scan# 422

Delta R.T. -0.00 min

Lab File: VV009225.D

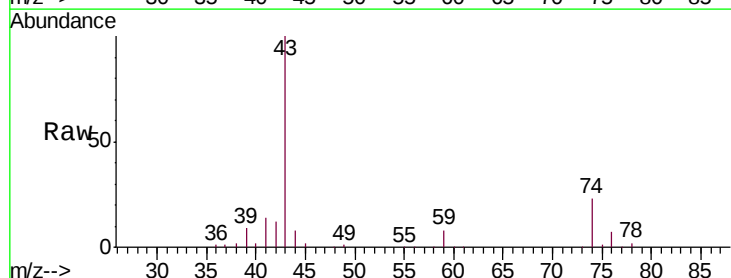
Acq: 18 Jan 2019 17:22

Tgt Ion: 43 Resp: 76867

Ion Ratio Lower Upper

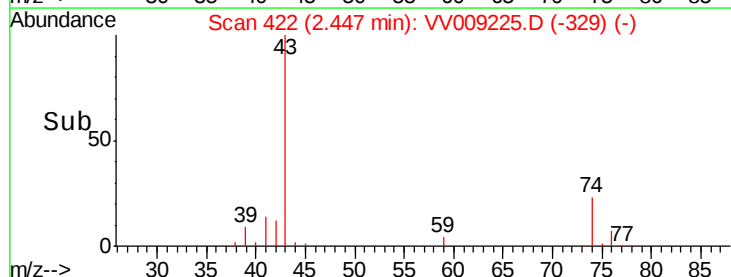
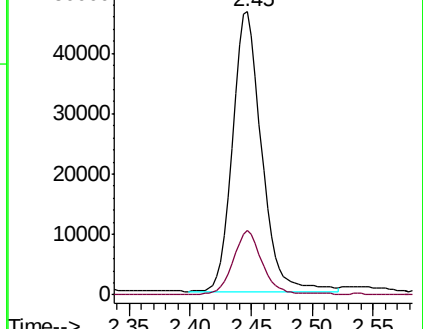
43 100

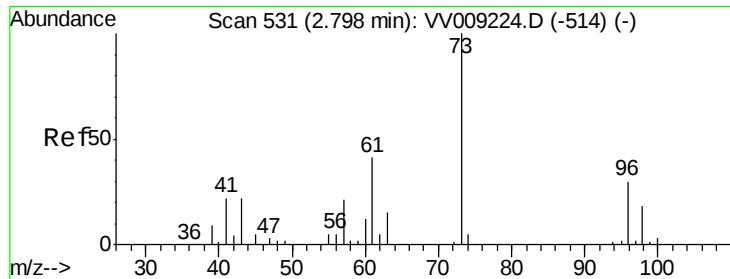
74 23.2 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VV009225.D (-329) (-)

Ion 74.00 (73.70 to 74.70): VV009225.D (-329) (-)

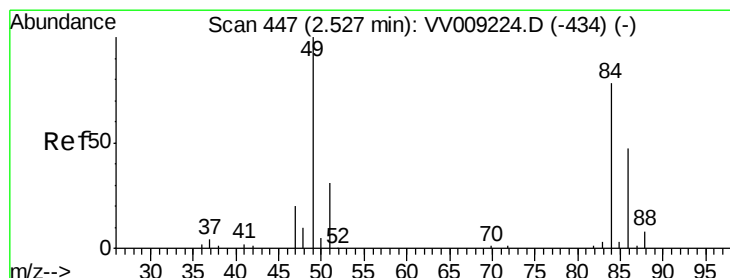
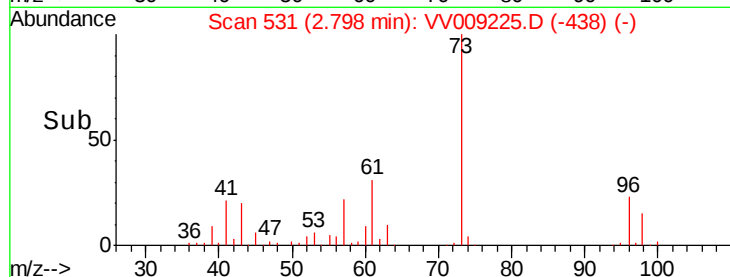
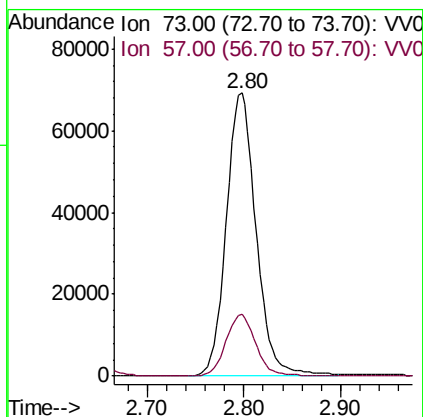
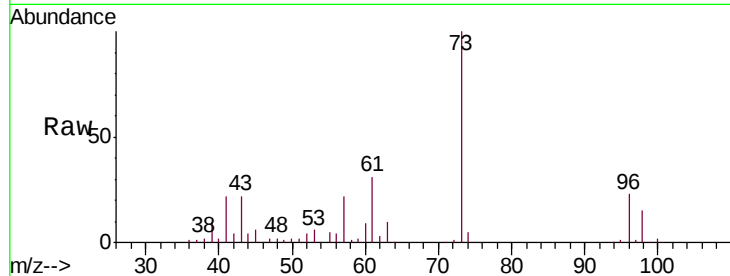




#19
Methyl tert-butyl Ether
Concen: 105.484 ug/l
RT: 2.80 min Scan# 531
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

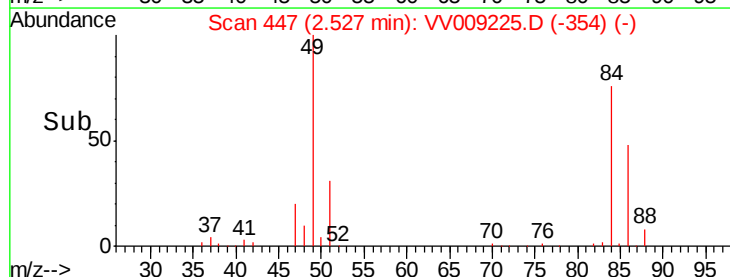
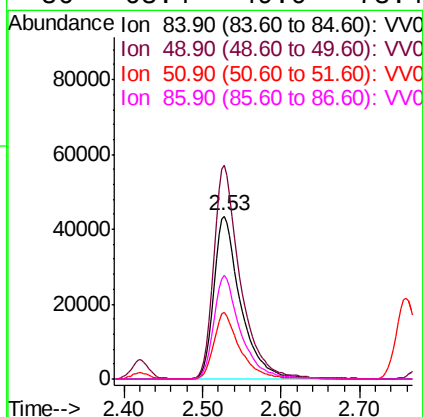
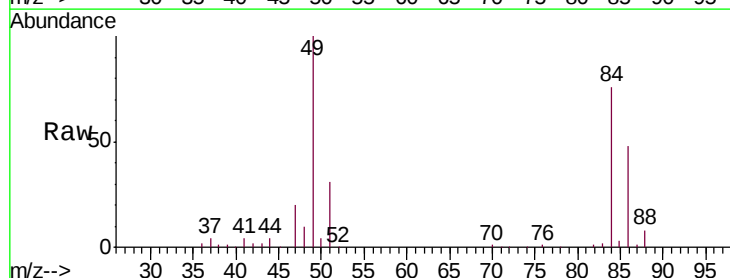
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

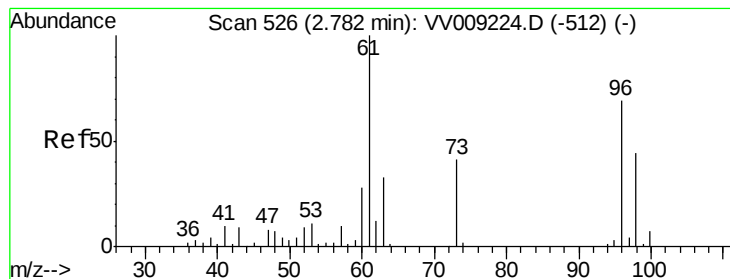
Tgt Ion: 73 Resp: 148412
Ion Ratio Lower Upper
73 100
57 21.9 17.1 25.7



#20
Methylene Chloride
Concen: 103.484 ug/l
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Tgt Ion: 84 Resp: 101599
Ion Ratio Lower Upper
84 100
49 131.3 103.1 154.7
51 41.0 31.7 47.5
86 63.4 49.0 73.4





#21

trans-1,2-Dichloroethene

Concen: 106.472 ug/l

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

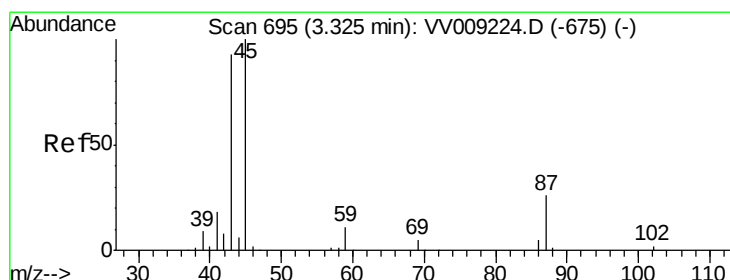
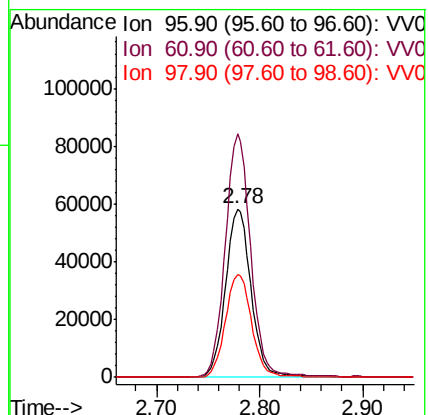
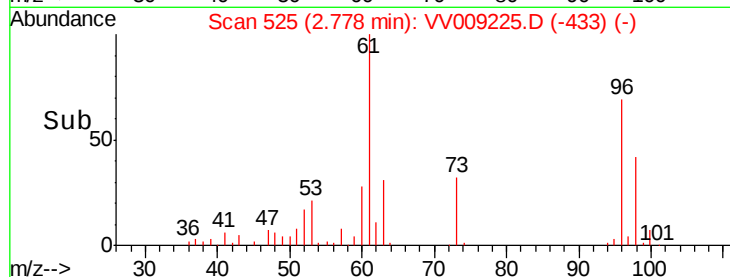
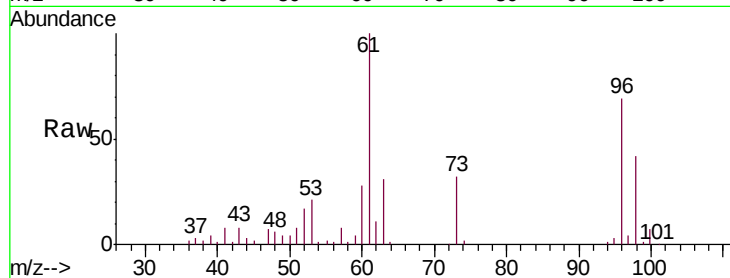
Tgt Ion: 96 Resp: 101118

Ion Ratio Lower Upper

96 100

61 144.4 116.2 174.2

98 60.9 50.8 76.2



#22

Diisopropyl ether

Concen: 107.848 ug/l

RT: 3.32 min Scan# 695

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Tgt Ion: 45 Resp: 381253

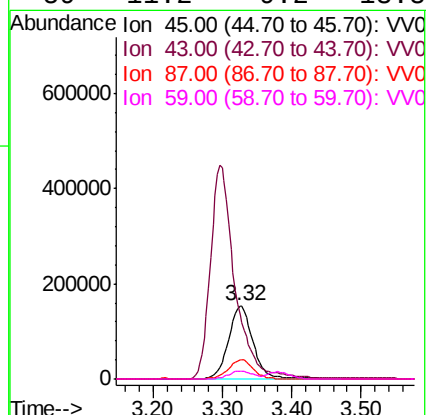
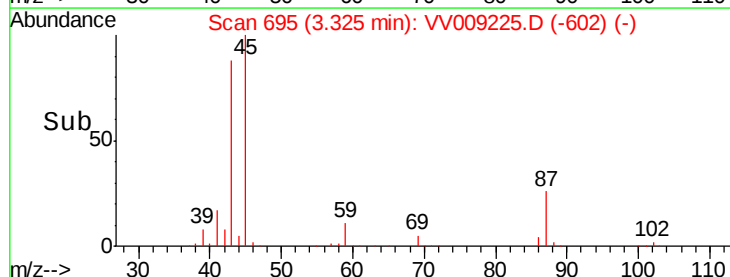
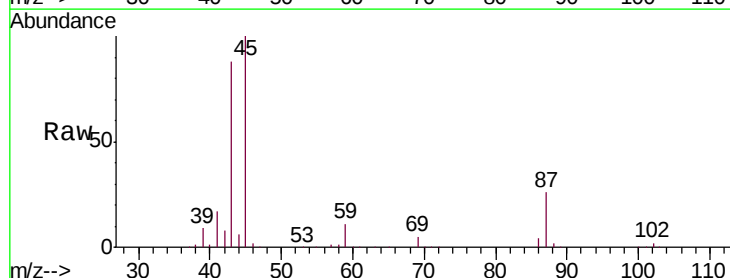
Ion Ratio Lower Upper

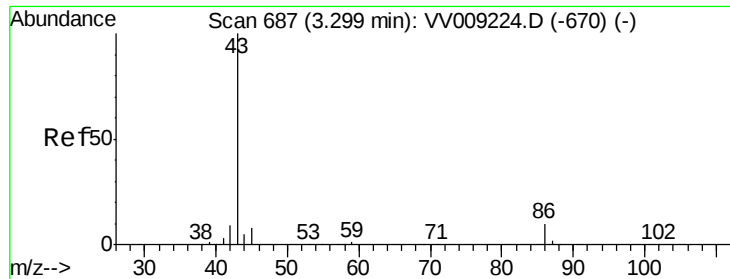
45 100

43 87.0 75.4 113.2

87 26.2 20.6 31.0

59 11.2 9.2 13.8

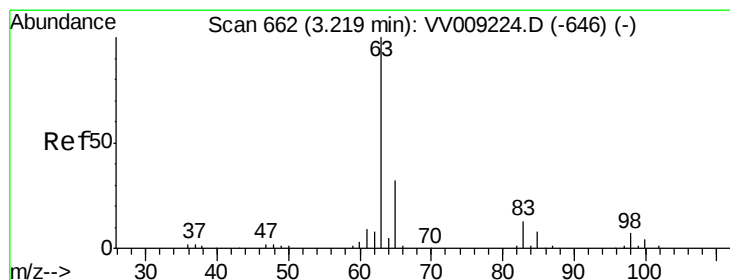
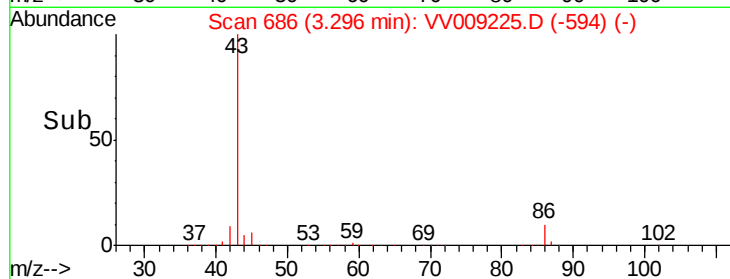
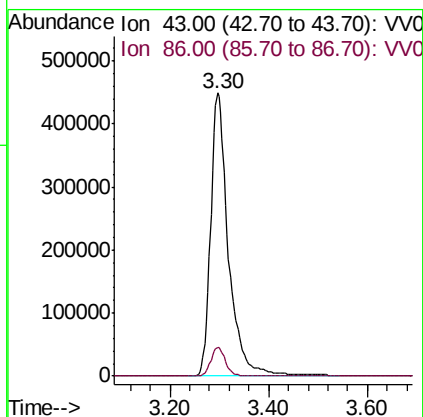
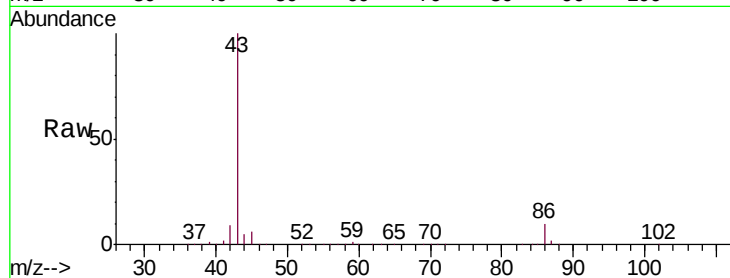




#23
 Vinyl Acetate
 Concen: 581.644 ug/l
 RT: 3.30 min Scan# 686
 Delta R.T. -0.00 min
 Lab File: VV009225.D
 Acq: 18 Jan 2019 17:22

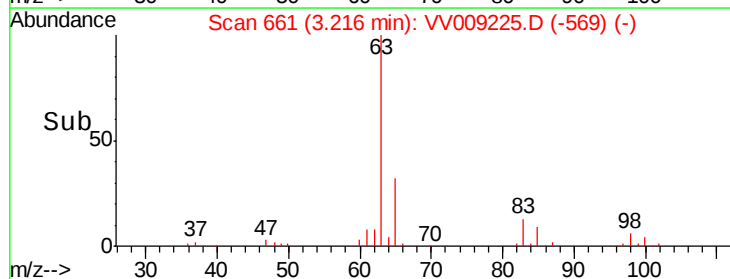
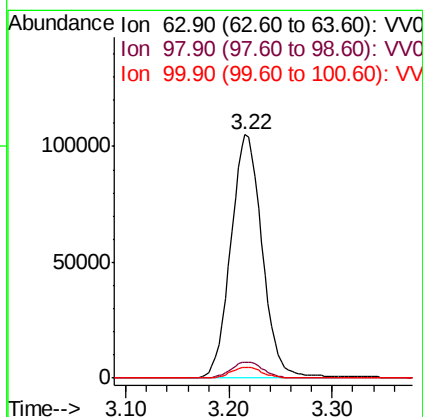
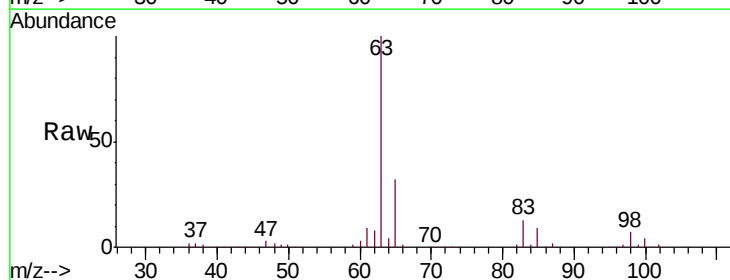
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC100

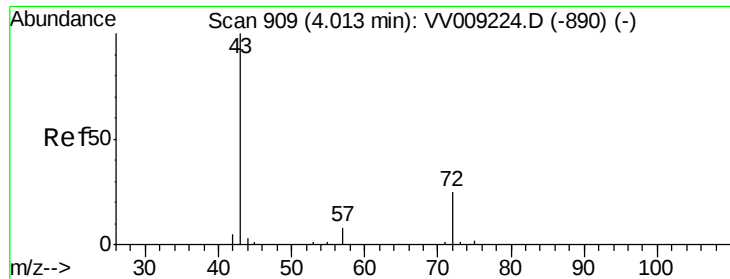
Tgt Ion: 43 Resp: 1118557
 Ion Ratio Lower Upper
 43 100
 86 10.0 7.8 11.6



#24
 1,1-Dichloroethane
 Concen: 107.485 ug/l
 RT: 3.22 min Scan# 661
 Delta R.T. -0.00 min
 Lab File: VV009225.D
 Acq: 18 Jan 2019 17:22

Tgt Ion: 63 Resp: 223618
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.4 10.2
 100 4.3 2.1 6.2





#25

2-Butanone

Concen: 604.520 ug/l

RT: 4.01 min Scan# 908

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

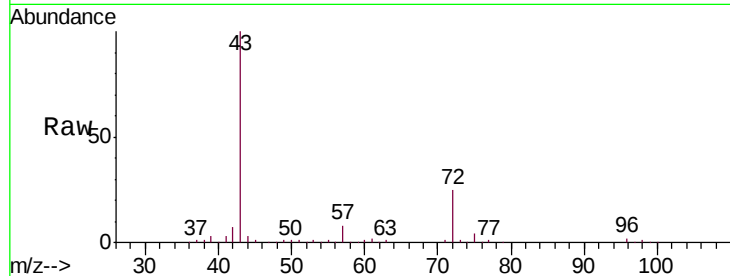
VSTDIC100

Tgt Ion: 43 Resp: 191952

Ion Ratio Lower Upper

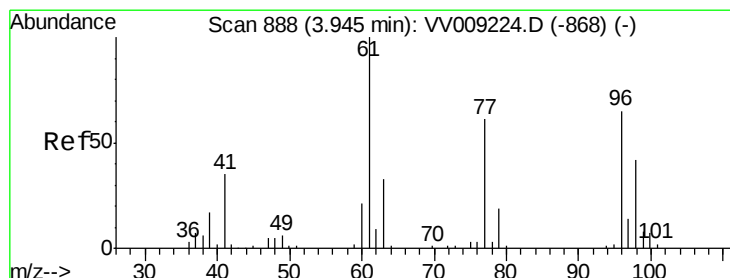
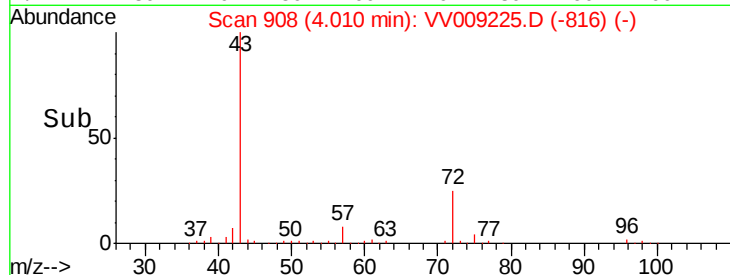
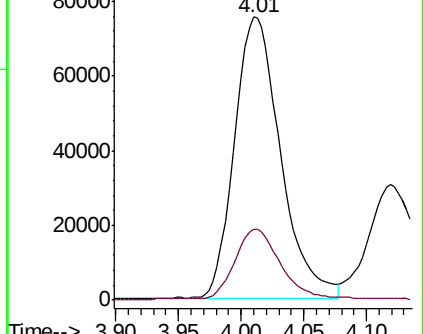
43 100

72 24.5 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0



#26

2,2-Dichloropropane

Concen: 107.813 ug/l

RT: 3.95 min Scan# 888

Delta R.T. -0.00 min

Lab File: VV009225.D

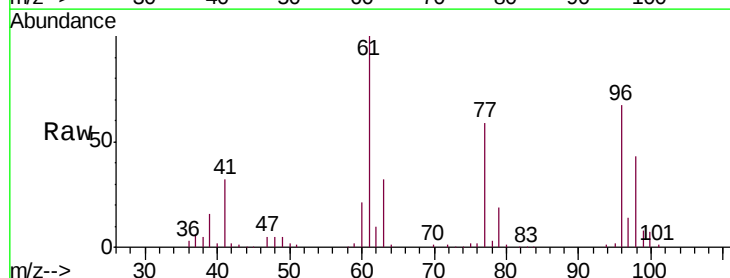
Acq: 18 Jan 2019 17:22

Tgt Ion: 77 Resp: 125158

Ion Ratio Lower Upper

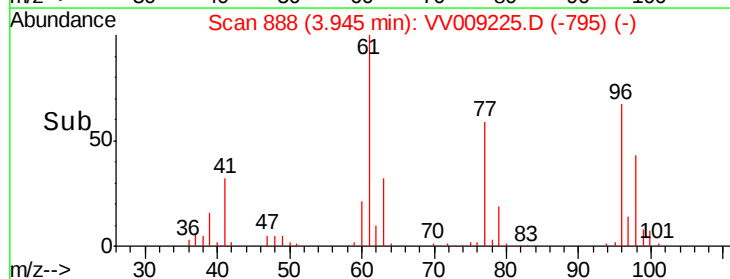
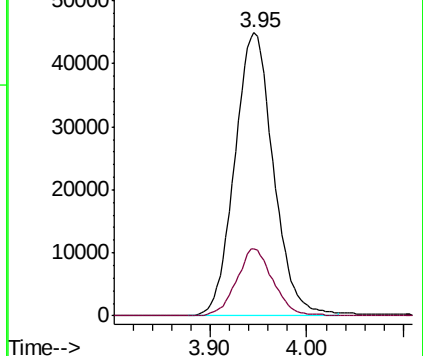
77 100

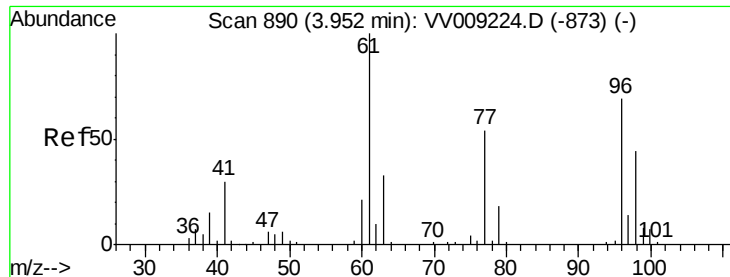
97 22.5 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VV0

Ion 96.90 (96.60 to 97.60): VV0



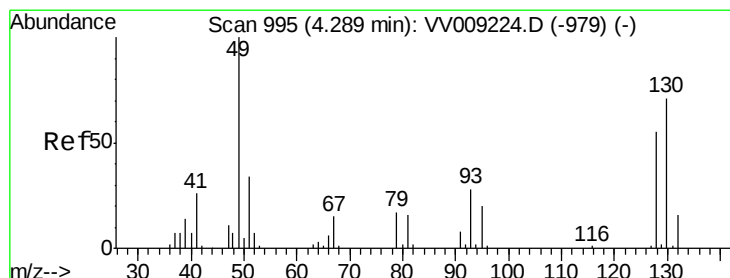
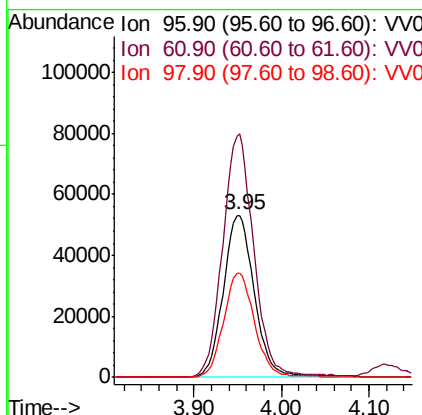
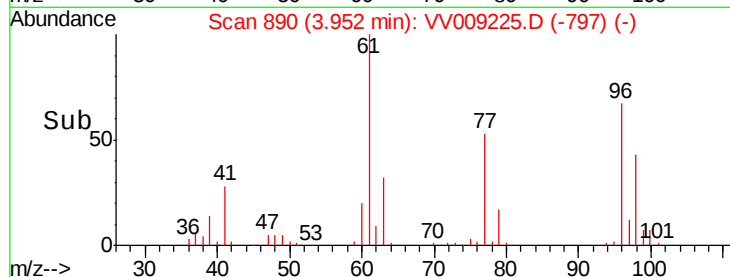
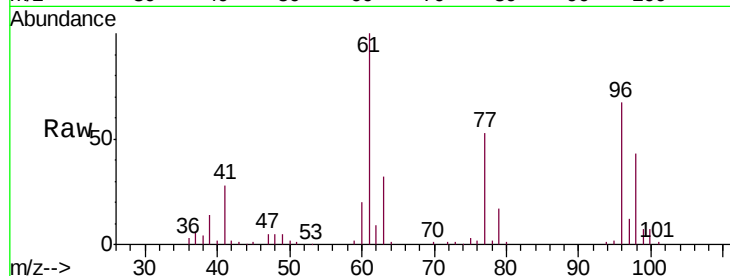


#27

cis-1,2-Dichloroethene
Concen: 107.610 ug/l
RT: 3.95 min Scan# 890
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

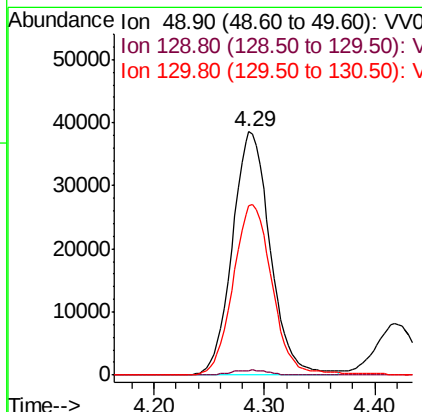
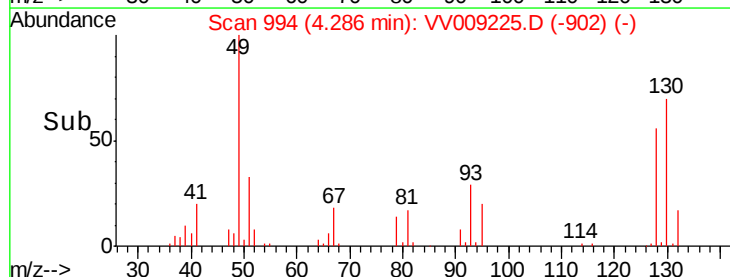
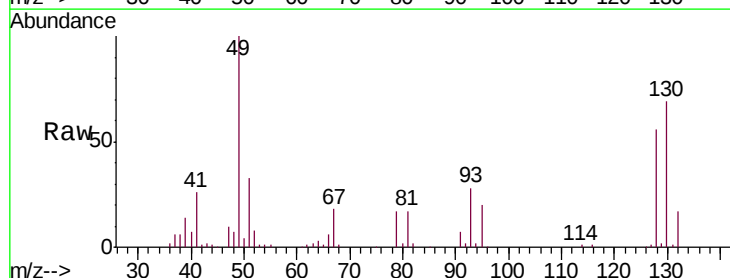
Tgt Ion: 96 Resp: 130877
Ion Ratio Lower Upper
96 100
61 149.5 0.0 300.4
98 63.9 0.0 129.2

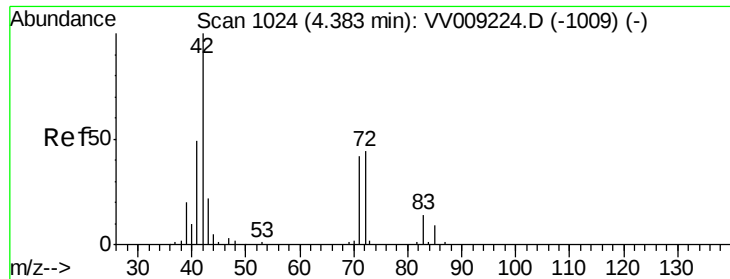


#28

Bromochloromethane
Concen: 105.011 ug/l
RT: 4.29 min Scan# 994
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Tgt Ion: 49 Resp: 91765
Ion Ratio Lower Upper
49 100
129 2.0 0.0 4.0
130 72.2 57.8 86.6





#29

Tetrahydrofuran

Concen: 597.522 ug/l

RT: 4.38 min Scan# 1024

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

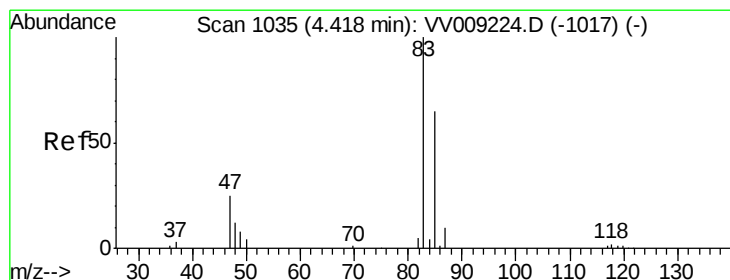
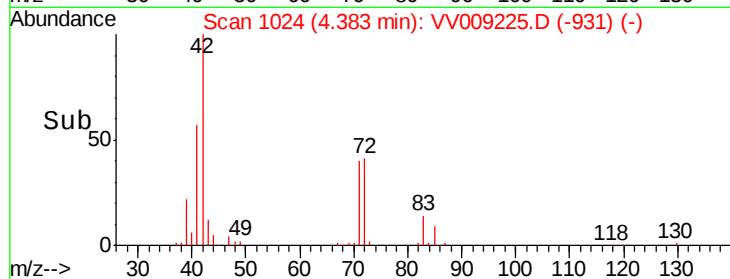
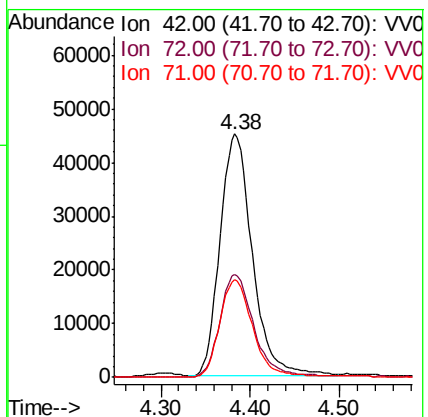
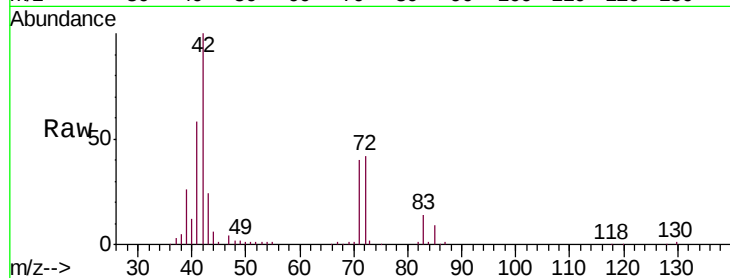
Tgt Ion: 42 Resp: 113608

Ion Ratio Lower Upper

42 100

72 44.8 35.9 53.9

71 40.9 33.6 50.4



#30

Chloroform

Concen: 106.970 ug/l

RT: 4.42 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VV009225.D

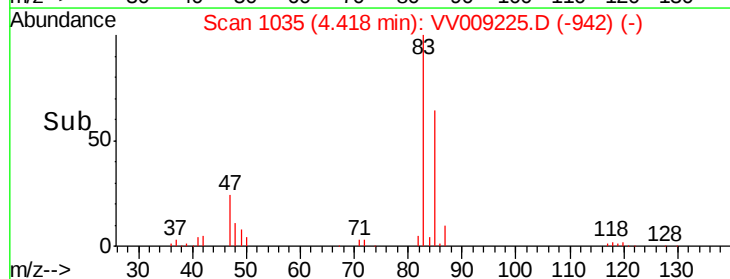
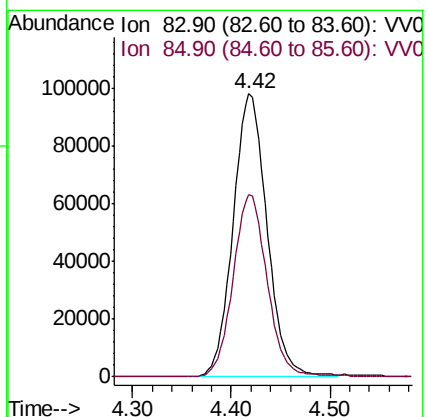
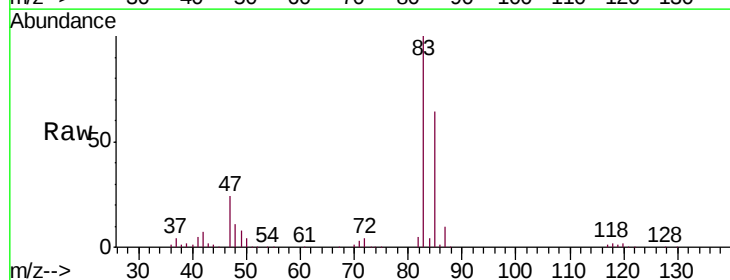
Acq: 18 Jan 2019 17:22

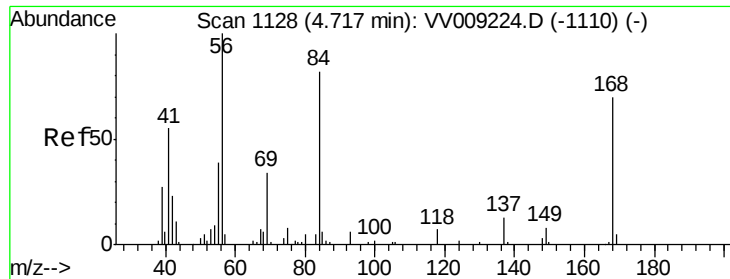
Tgt Ion: 83 Resp: 234526

Ion Ratio Lower Upper

83 100

85 64.2 51.8 77.6

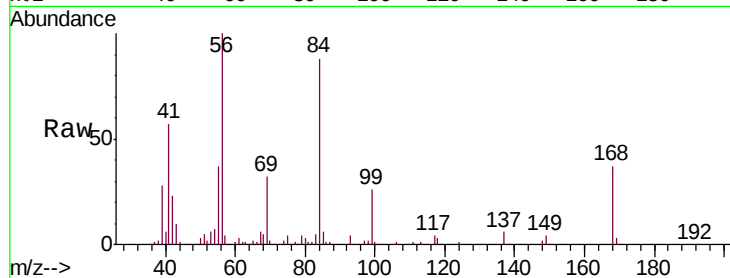




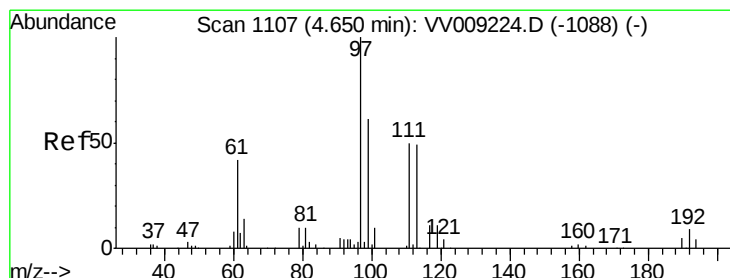
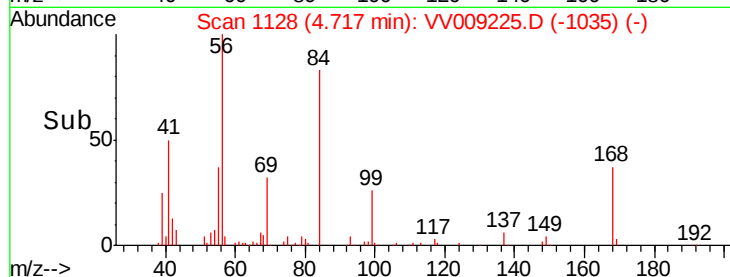
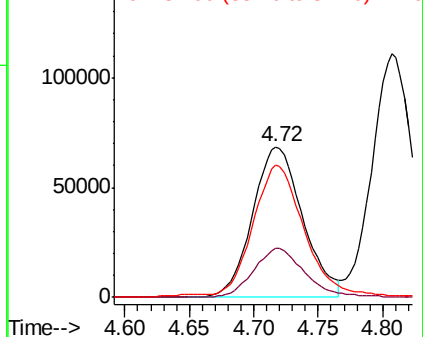
#31
Cyclohexane
Concen: 104.470 ug/l
RT: 4.72 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

Tgt Ion: 56 Resp: 185502
Ion Ratio Lower Upper
56 100
69 32.3 27.0 40.4
84 86.3 65.4 98.2

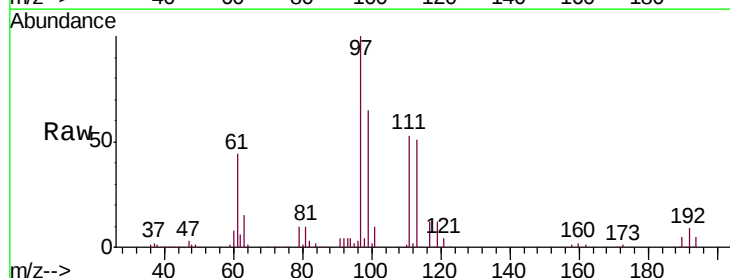


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

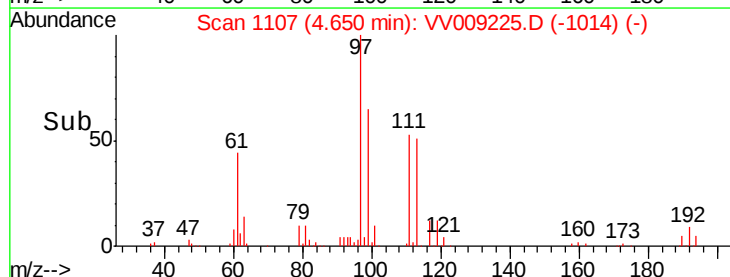
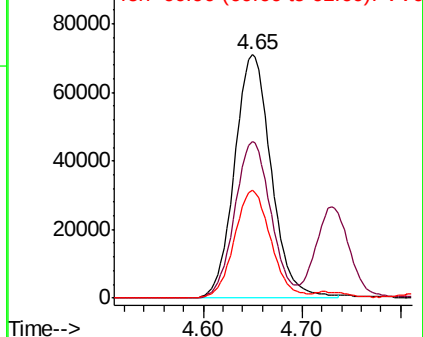


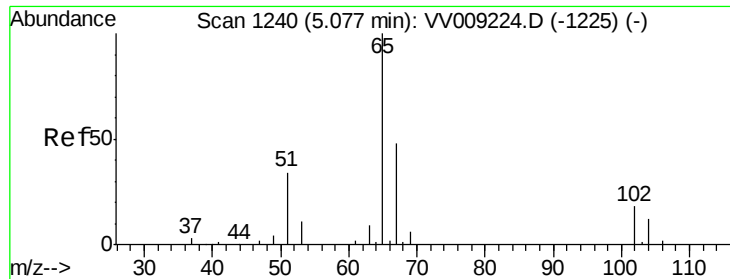
#32
1,1,1-Trichloroethane
Concen: 103.054 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Tgt Ion: 97 Resp: 183190
Ion Ratio Lower Upper
97 100
99 63.3 48.9 73.3
61 44.1 34.7 52.1



Abundance Ion 96.90 (96.60 to 97.60): VV0
Ion 98.90 (98.60 to 99.60): VV0
Ion 60.90 (60.60 to 61.60): VV0

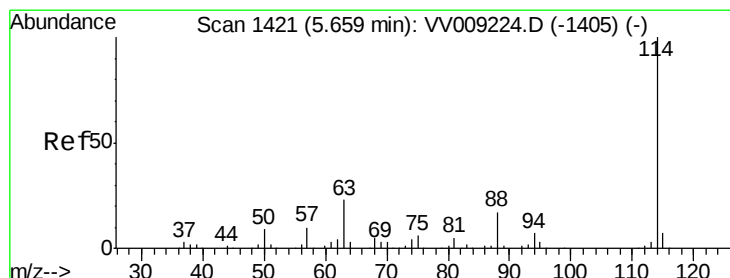
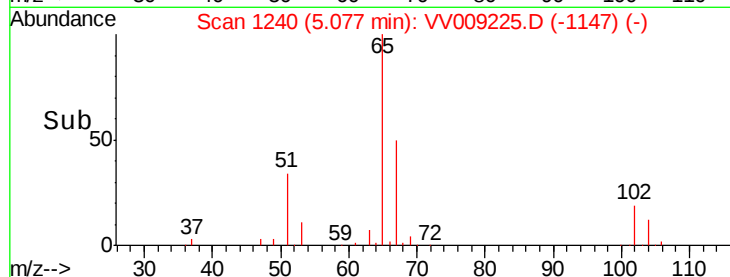
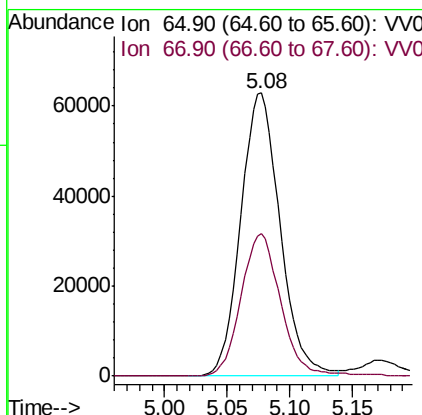
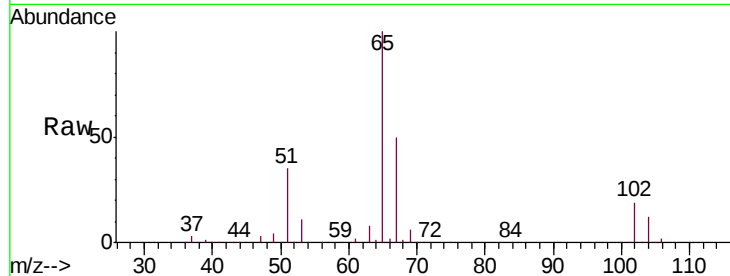




#33
 1,2-Dichloroethane-d4
 Concen: 111.798 ug/l
 RT: 5.08 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VV009225.D
 Acq: 18 Jan 2019 17:22

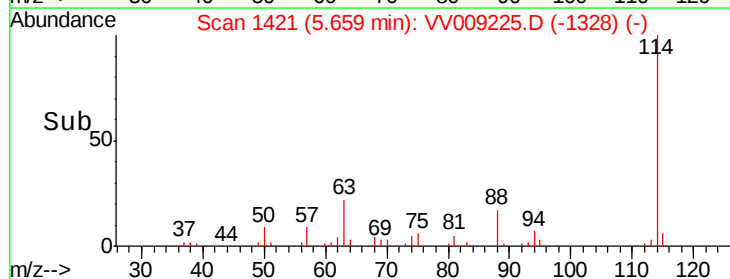
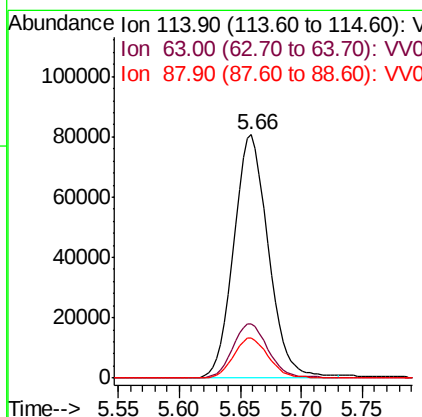
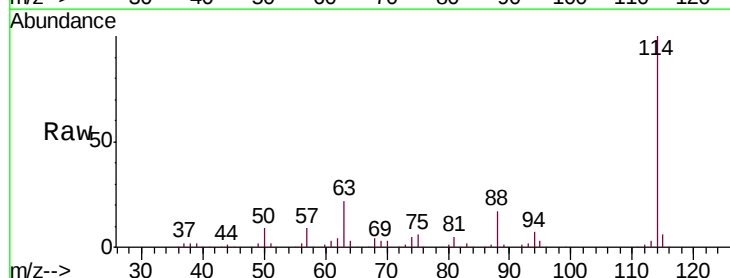
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC100

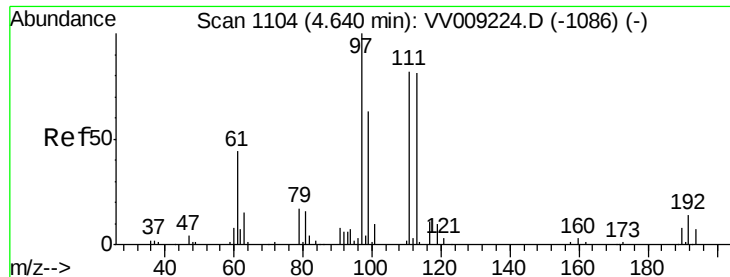
Tgt Ion: 65 Resp: 137435
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 1421
 Delta R.T. -0.00 min
 Lab File: VV009225.D
 Acq: 18 Jan 2019 17:22

Tgt Ion: 114 Resp: 159230
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 46.2
 88 16.7 0.0 33.8





#35

Dibromofluoromethane

Concen: 112.844 ug/l

RT: 4.64 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

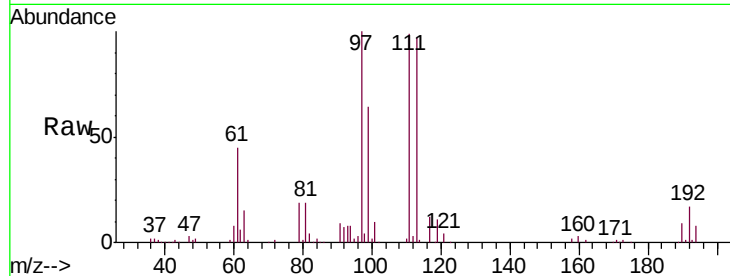
Tgt Ion:113 Resp: 117950

Ion Ratio Lower Upper

113 100

111 101.9 82.2 123.4

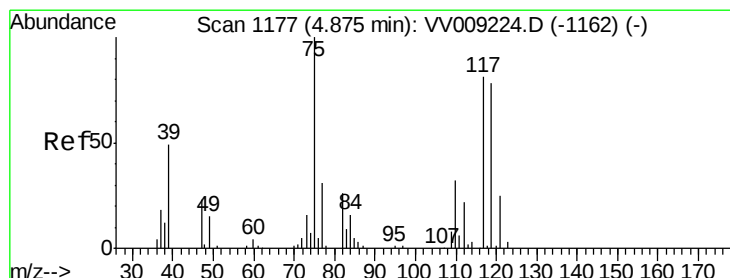
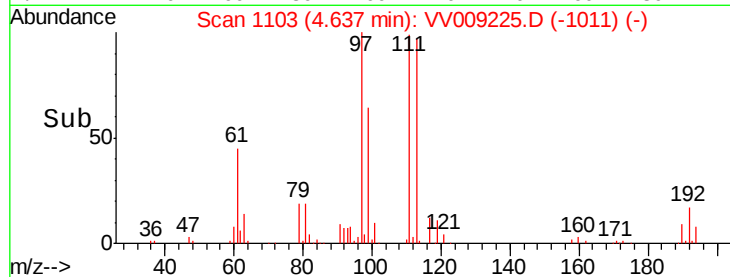
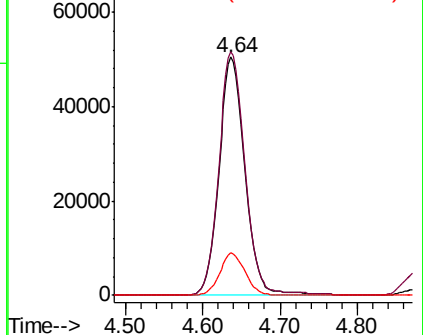
192 17.5 14.1 21.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 107.847 ug/l

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

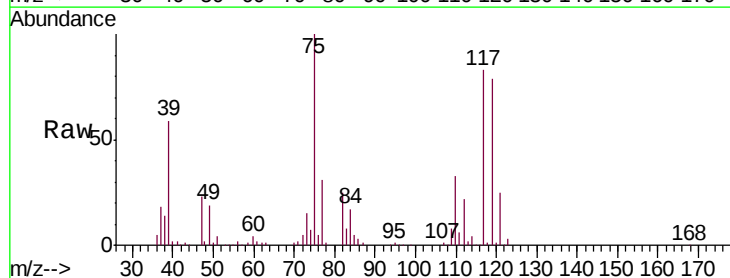
Tgt Ion: 75 Resp: 167646

Ion Ratio Lower Upper

75 100

110 34.2 17.3 51.7

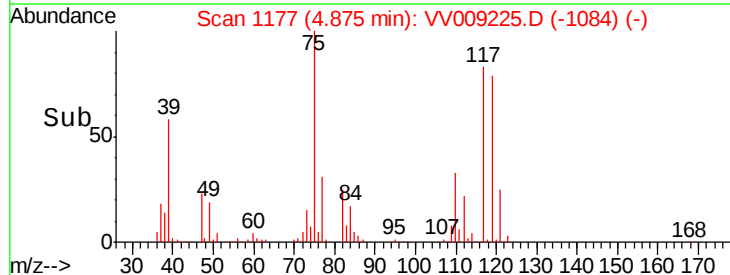
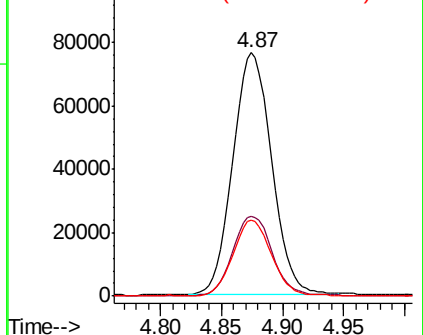
77 30.9 24.4 36.6

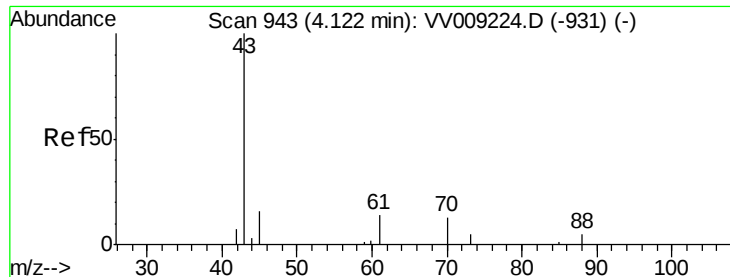


Abundance Ion 74.90 (74.60 to 75.60): VV0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VV0

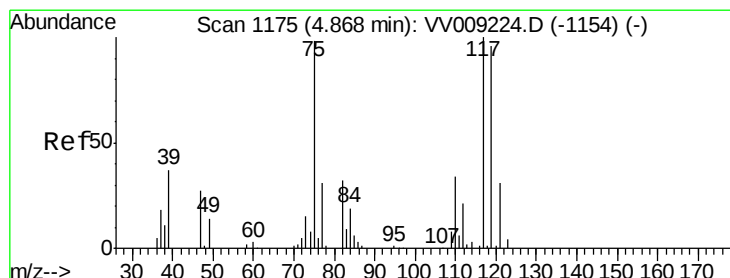
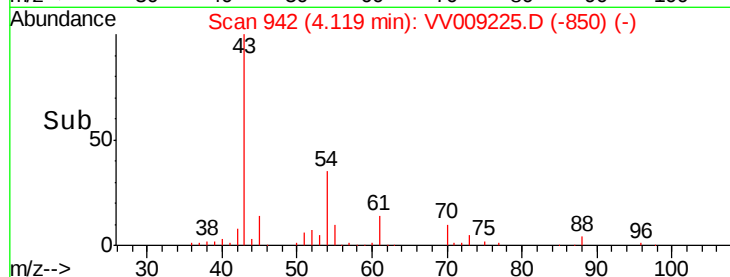
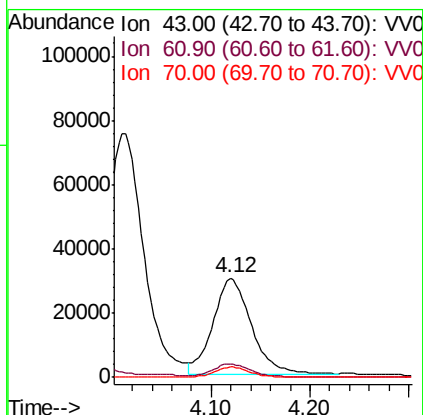
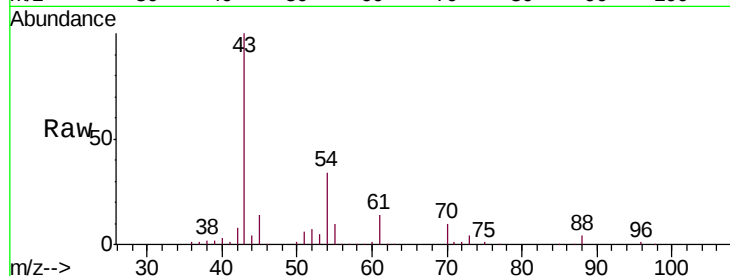




#37
Ethyl Acetate
Concen: 124.139 ug/l
RT: 4.12 min Scan# 942
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

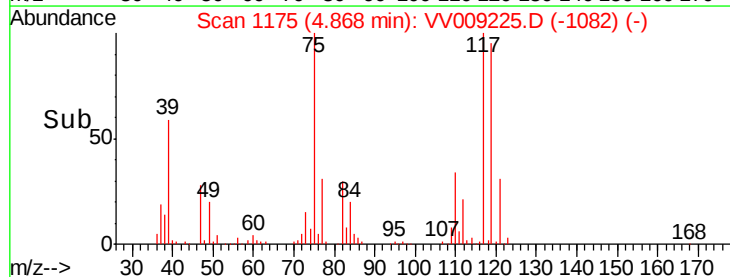
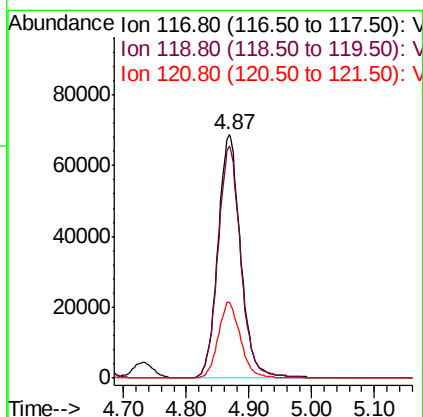
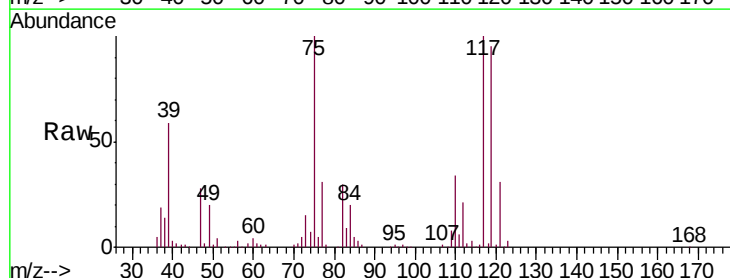
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

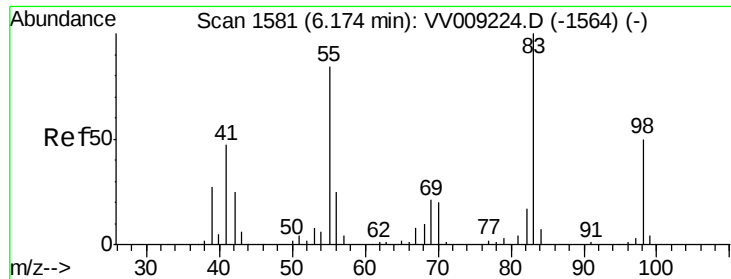
Tgt Ion: 43 Resp: 81583
Ion Ratio Lower Upper
43 100
61 12.8 9.8 14.6
70 9.9 8.2 12.4



#38
Carbon Tetrachloride
Concen: 109.081 ug/l
RT: 4.87 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Tgt Ion: 117 Resp: 172833
Ion Ratio Lower Upper
117 100
119 95.4 77.0 115.6
121 31.1 24.7 37.1

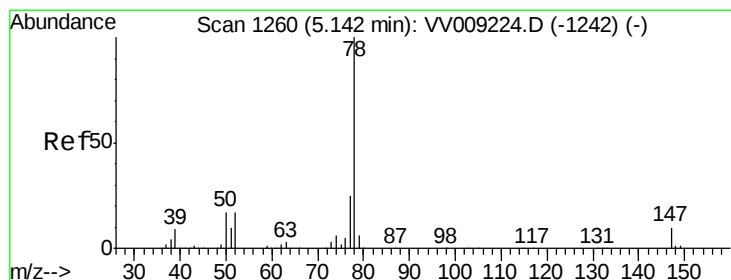
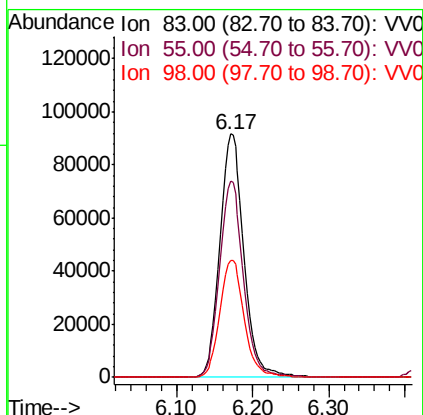
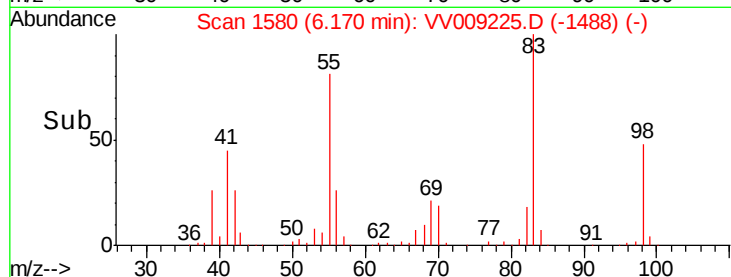
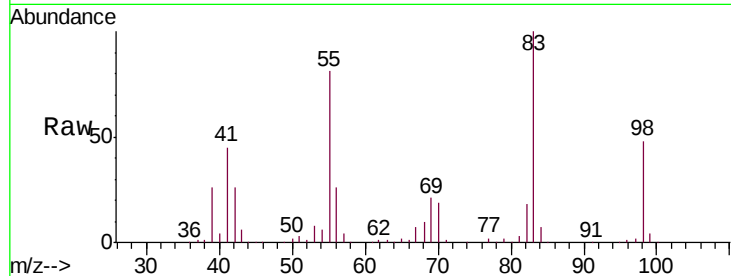




#39
Methylcyclohexane
Concen: 107.929 ug/l
RT: 6.17 min Scan# 1580
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

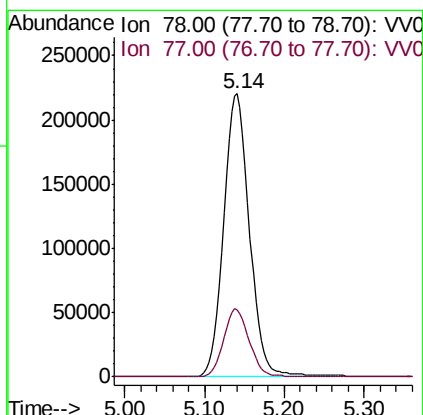
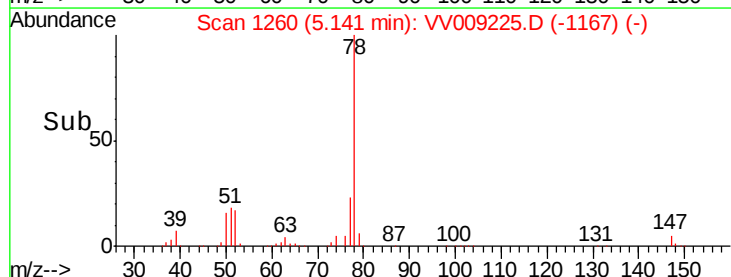
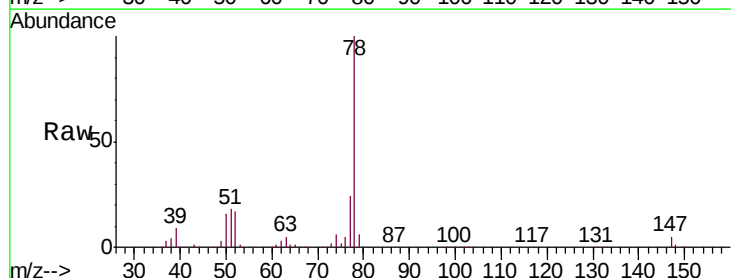
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

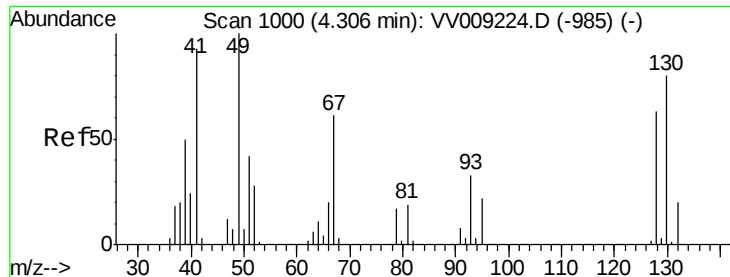
Tgt Ion: 83 Resp: 201636
Ion Ratio Lower Upper
83 100
55 80.9 67.0 100.6
98 48.1 40.2 60.2



#40
Benzene
Concen: 107.944 ug/l
RT: 5.14 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Tgt Ion: 78 Resp: 488147
Ion Ratio Lower Upper
78 100
77 23.9 19.8 29.6

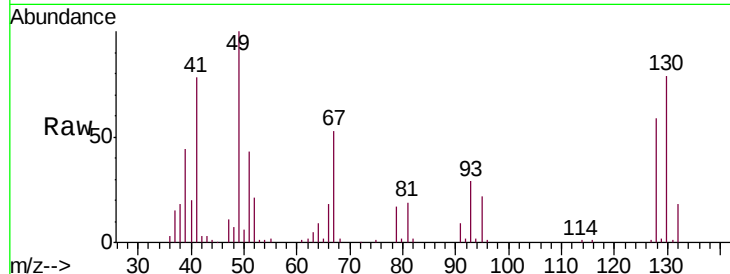




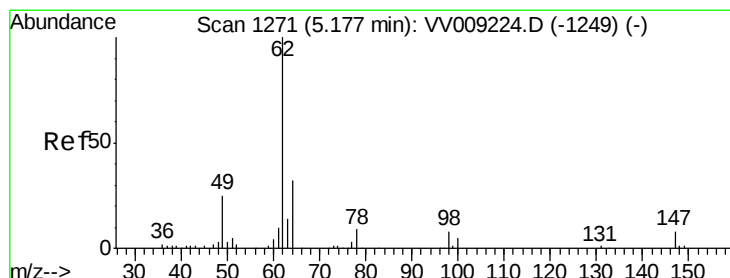
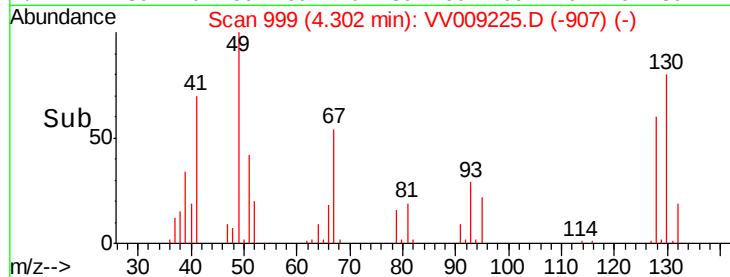
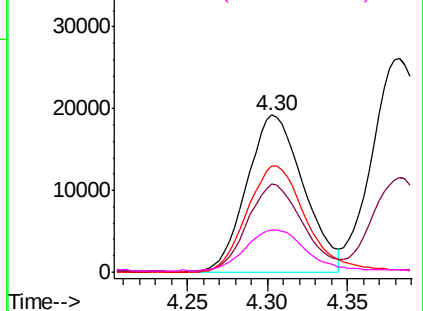
#41
Methacrylonitrile
Concen: 122.246 ug/l
RT: 4.30 min Scan# 999
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

Tgt Ion:	41	Resp:	47099
Ion	Ratio	Lower	Upper
41	100		
39	55.2	44.8	67.2
67	70.6	57.5	86.3
52	28.2	26.9	40.3

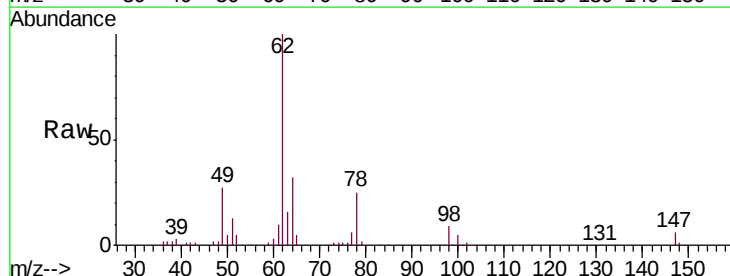


Abundance Ion 41.00 (40.70 to 41.70): VV0
Ion 39.00 (38.70 to 39.70): VV0
Ion 67.00 (66.70 to 67.70): VV0
Ion 52.00 (51.70 to 52.70): VV0

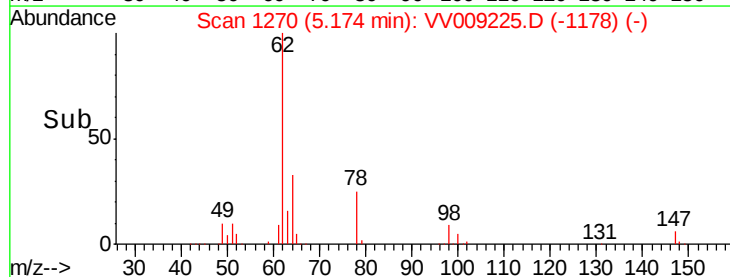
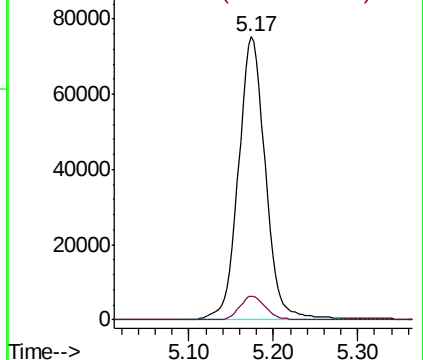


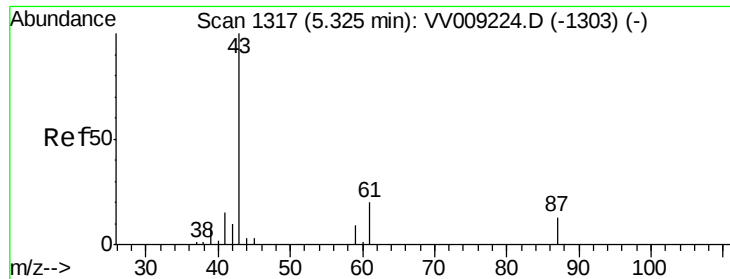
#42
1,2-Dichloroethane
Concen: 111.342 ug/l
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Tgt Ion:	62	Resp:	168805
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.4



Abundance Ion 61.90 (61.60 to 62.60): VV0
Ion 97.90 (97.60 to 98.60): VV0





#43

Isopropyl Acetate

Concen: 121.914 ug/l

RT: 5.32 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

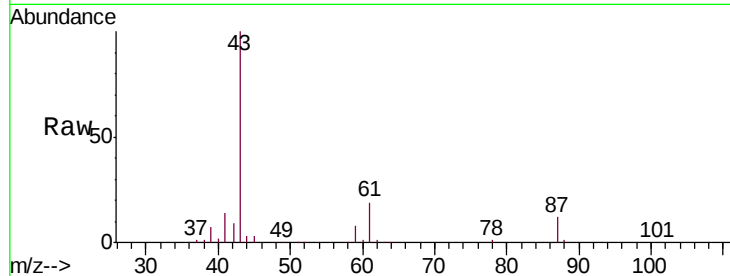
Tgt Ion: 43 Resp: 156850

Ion Ratio Lower Upper

43 100

61 19.6 15.1 22.7

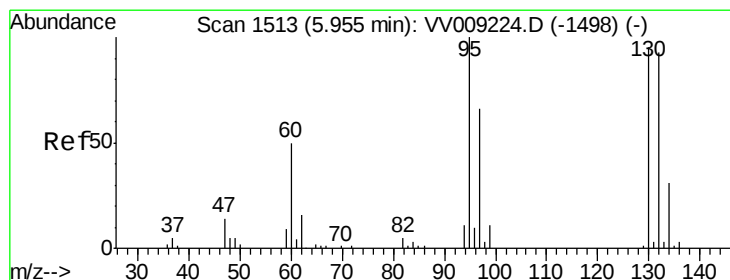
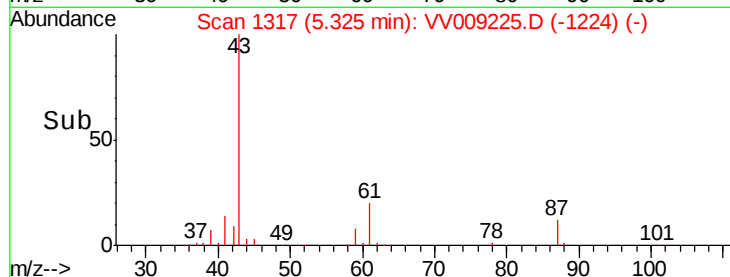
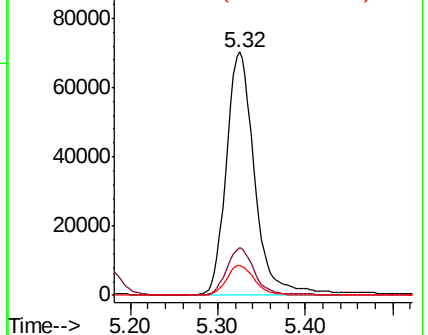
87 12.4 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VV009225.D (-1224) (-)

Ion 61.00 (60.70 to 61.70): VV009225.D (-1224) (-)

Ion 87.00 (86.70 to 87.70): VV009225.D (-1224) (-)



#44

Trichloroethene

Concen: 108.995 ug/l

RT: 5.95 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV009225.D

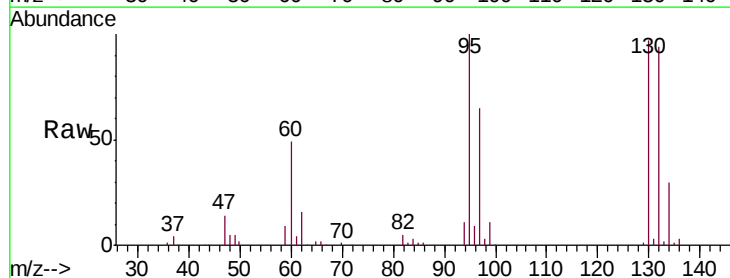
Acq: 18 Jan 2019 17:22

Tgt Ion: 130 Resp: 123933

Ion Ratio Lower Upper

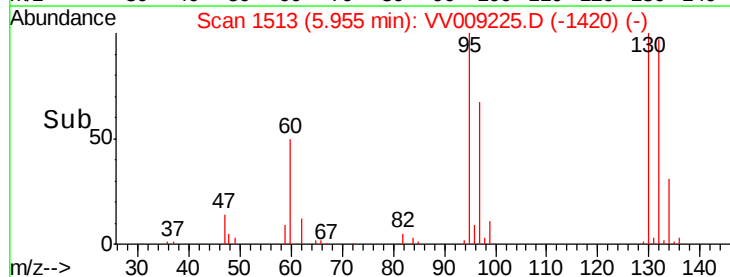
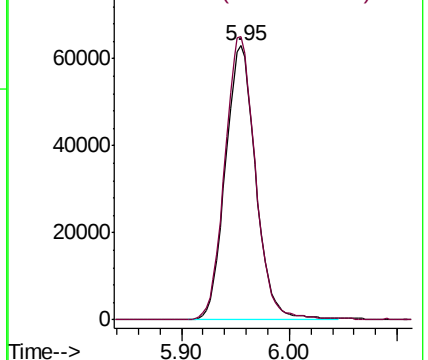
130 100

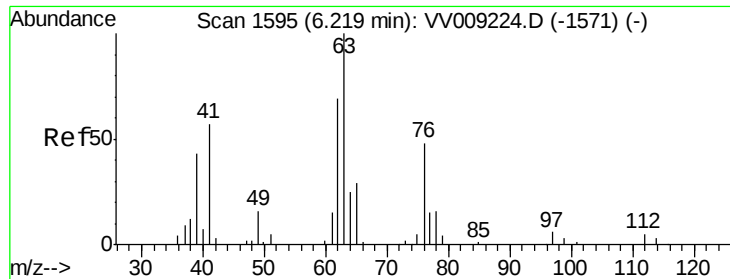
95 103.3 0.0 209.4



Abundance Ion 129.80 (129.50 to 130.50): VV009225.D (-1420) (-)

Ion 94.90 (94.60 to 95.60): VV009225.D (-1420) (-)

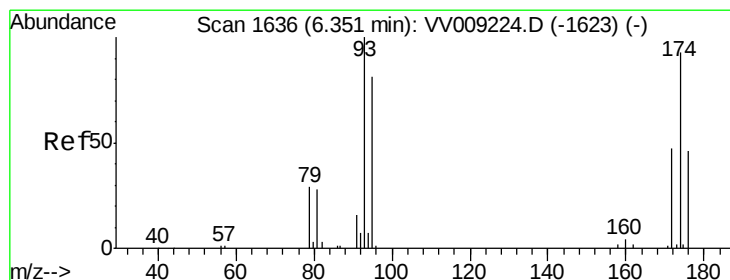
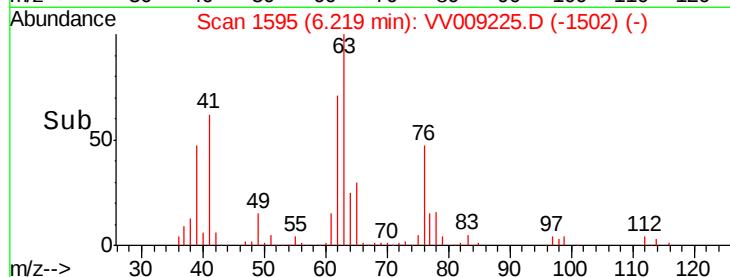
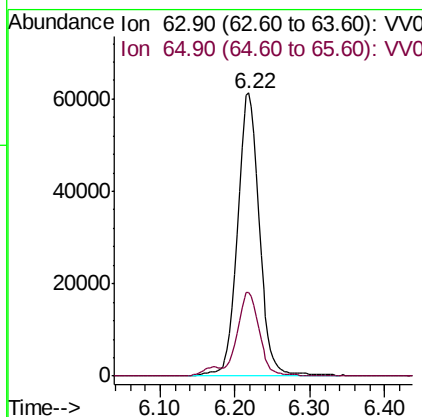
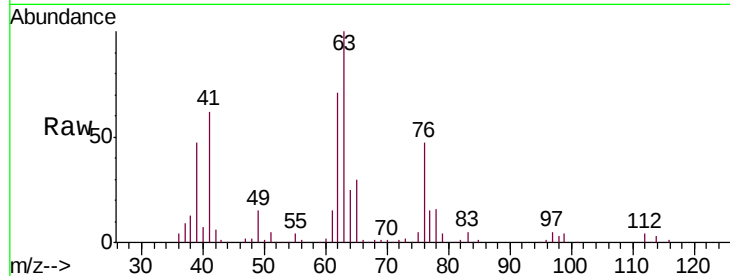




#45
 1,2-Dichloropropane
 Concen: 111.056 ug/l
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV009225.D
 Acq: 18 Jan 2019 17:22

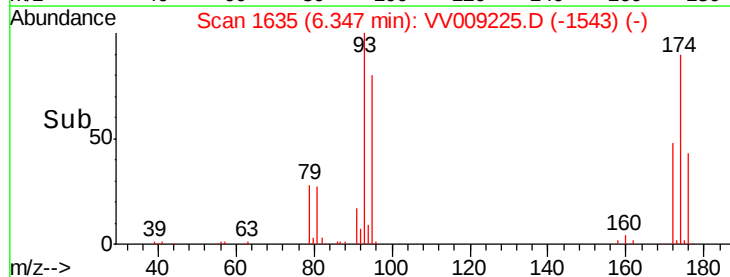
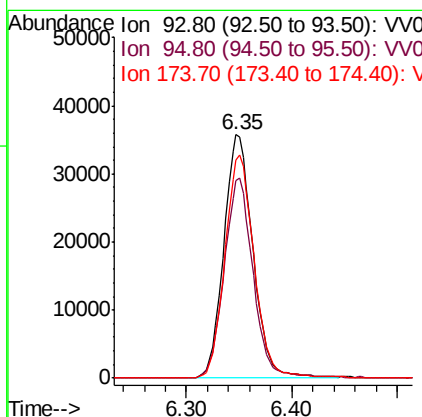
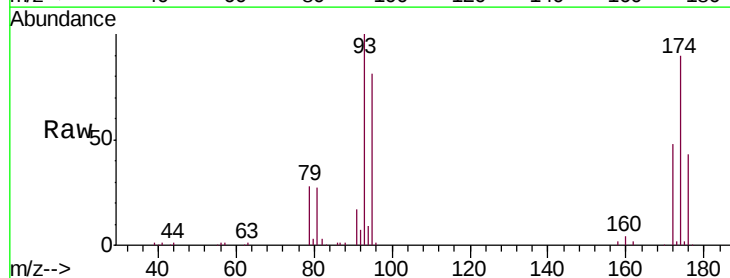
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC100

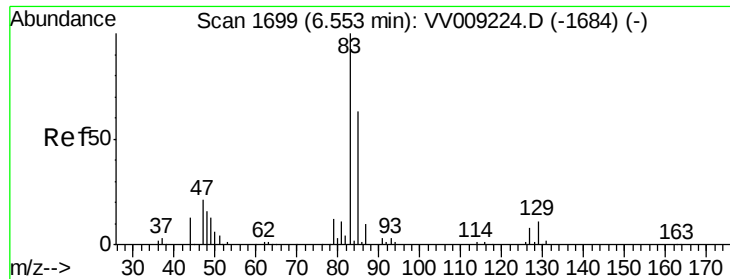
Tgt Ion: 63 Resp: 125367
 Ion Ratio Lower Upper
 63 100
 65 29.3 23.9 35.9



#46
 Dibromomethane
 Concen: 114.455 ug/l
 RT: 6.35 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VV009225.D
 Acq: 18 Jan 2019 17:22

Tgt Ion: 93 Resp: 68237
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.2 99.4
 174 92.0 73.0 109.6





#47

Bromodichloromethane

Concen: 115.335 ug/l

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

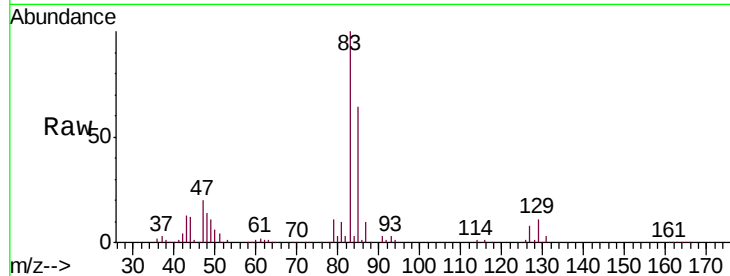
Tgt Ion: 83 Resp: 182532

Ion Ratio Lower Upper

83 100

85 63.8 50.6 75.8

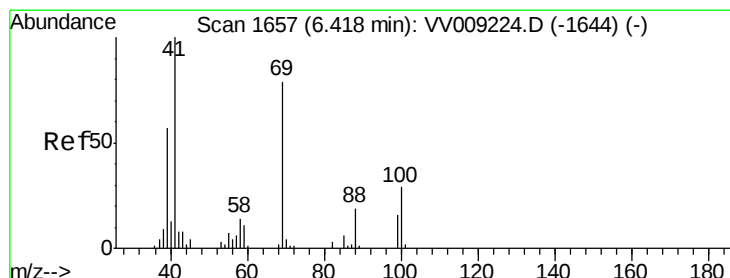
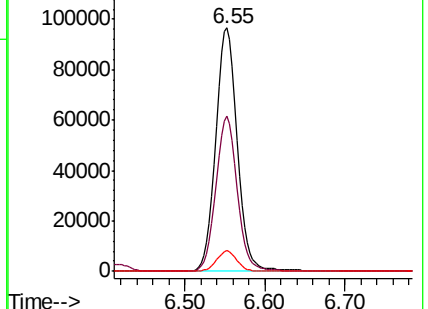
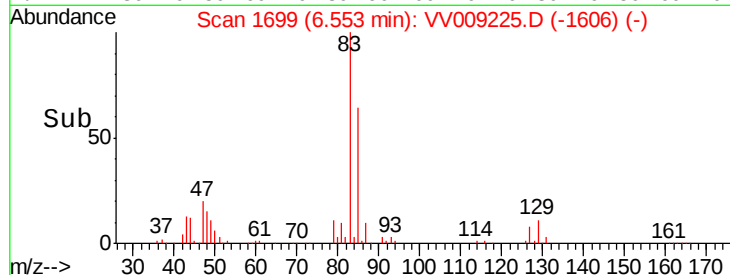
127 8.4 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VV009225.D (-1684) (-)

Ion 84.90 (84.60 to 85.60): VV009225.D (-1684) (-)

Ion 126.80 (126.50 to 127.50): VV009225.D (-1684) (-)



#48

Methyl methacrylate

Concen: 119.989 ug/l

RT: 6.41 min Scan# 1656

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

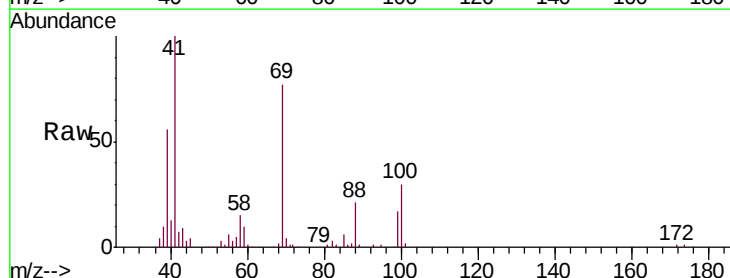
Tgt Ion: 41 Resp: 81008

Ion Ratio Lower Upper

41 100

69 81.0 62.2 93.4

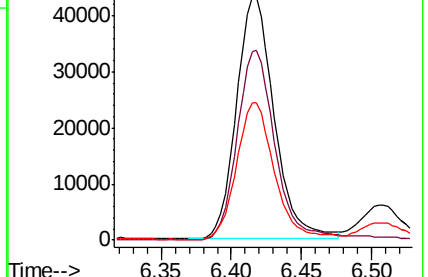
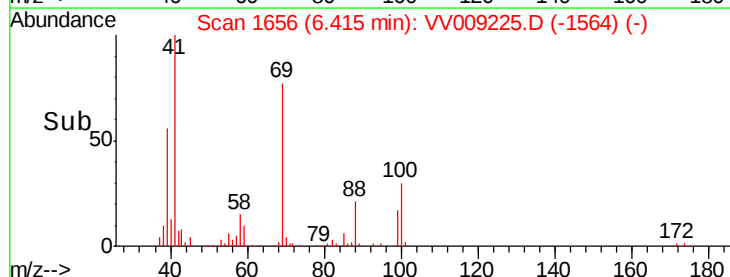
39 56.6 44.7 67.1

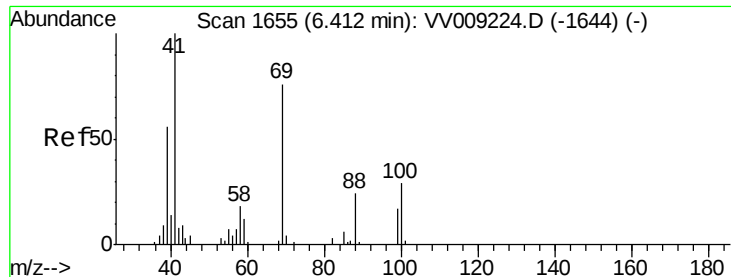


Abundance Ion 41.00 (40.70 to 41.70): VV009225.D (-1644) (-)

Ion 69.00 (68.70 to 69.70): VV009225.D (-1644) (-)

Ion 39.00 (38.70 to 39.70): VV009225.D (-1644) (-)

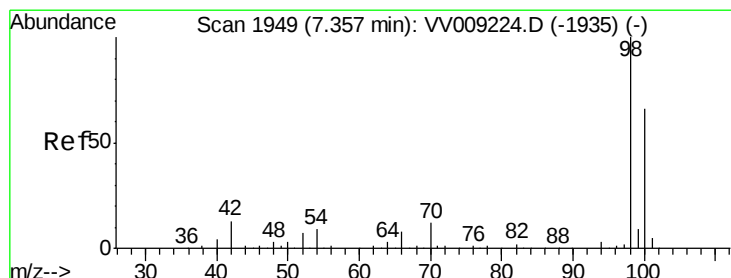
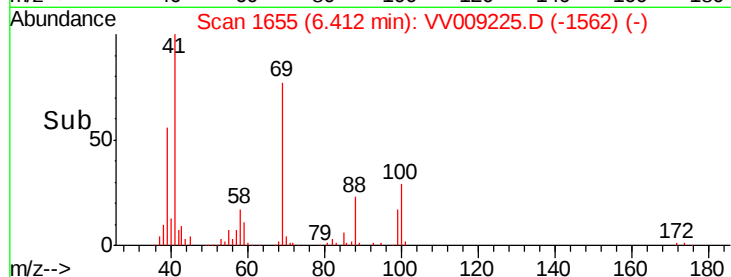
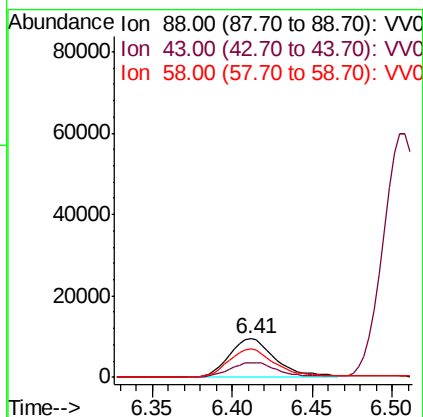
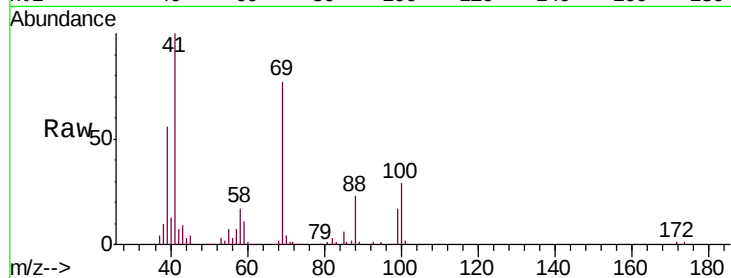




#49
1,4-Dioxane
Concen: 2350.329 ug/l
RT: 6.41 min Scan# 1655
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

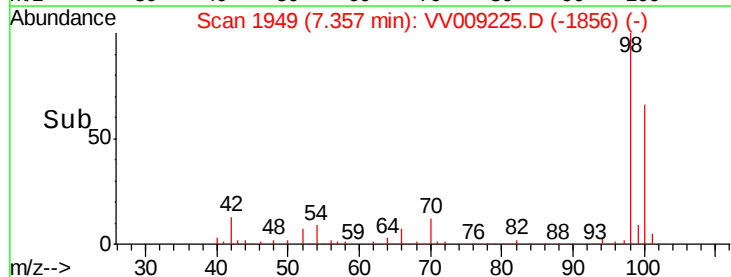
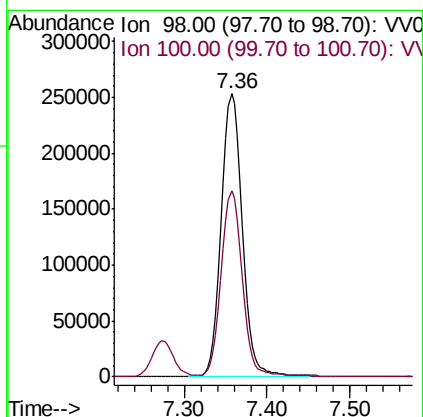
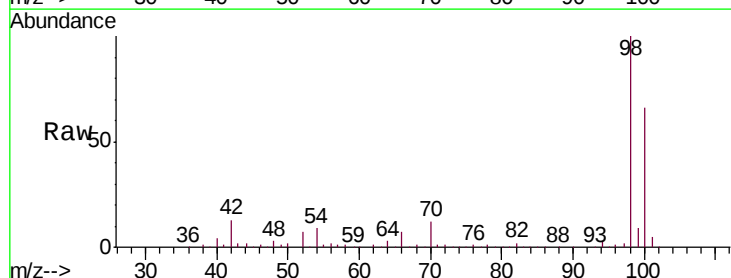
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

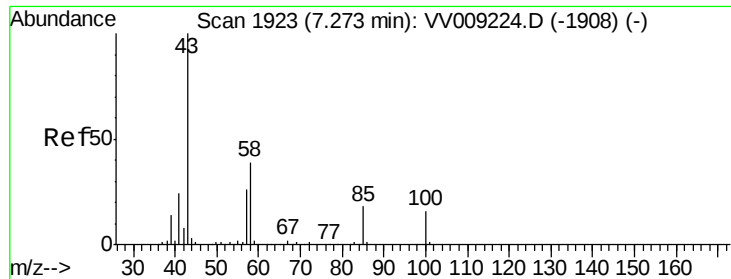
Tgt Ion: 88 Resp: 18841
Ion Ratio Lower Upper
88 100
43 37.8 31.3 46.9
58 76.3 59.6 89.4



#50
Toluene-d8
Concen: 113.328 ug/l
RT: 7.36 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Tgt Ion: 98 Resp: 448487
Ion Ratio Lower Upper
98 100
100 64.5 52.3 78.5

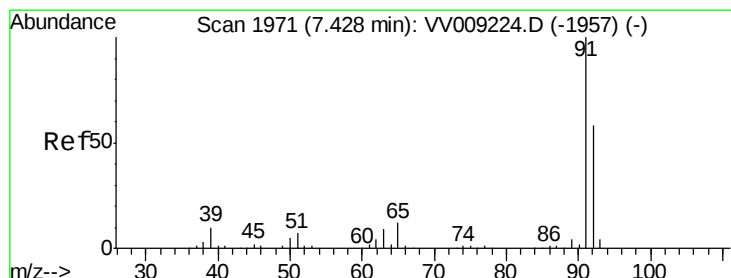
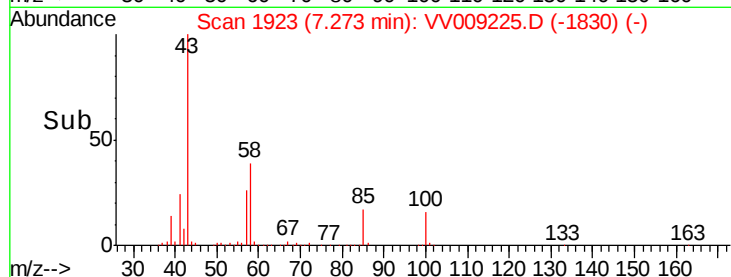
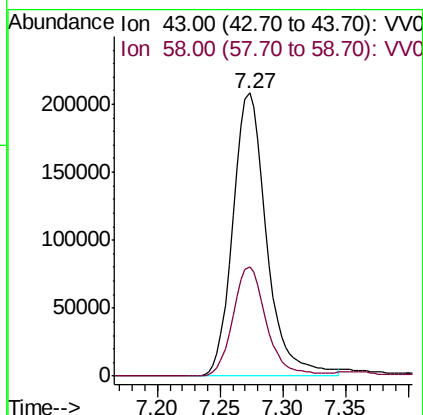
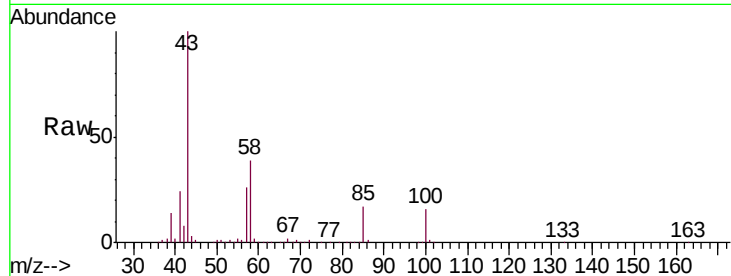




#51
 4-Methyl-2-Pentanone
 Concen: 581.798 ug/l
 RT: 7.27 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VV009225.D
 Acq: 18 Jan 2019 17:22

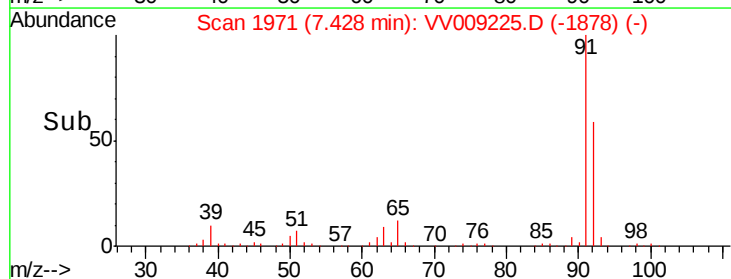
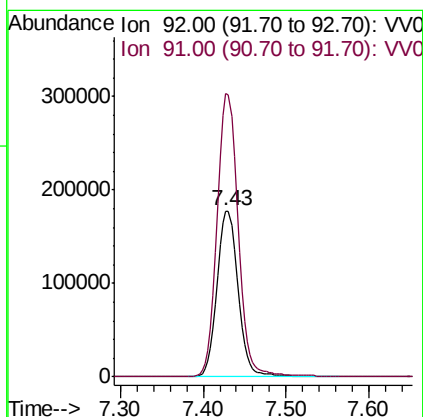
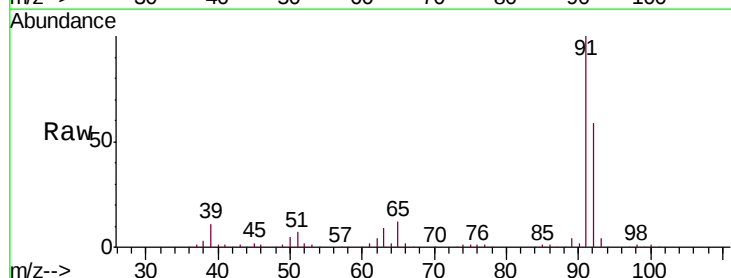
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC100

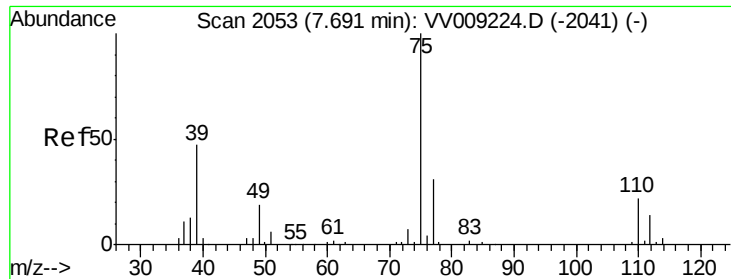
Tgt Ion: 43 Resp: 391408
 Ion Ratio Lower Upper
 43 100
 58 38.1 29.5 44.3



#52
 Toluene
 Concen: 109.330 ug/l
 RT: 7.43 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VV009225.D
 Acq: 18 Jan 2019 17:22

Tgt Ion: 92 Resp: 313455
 Ion Ratio Lower Upper
 92 100
 91 170.7 136.9 205.3





#53

t-1,3-Dichloropropene

Concen: 117.074 ug/l

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

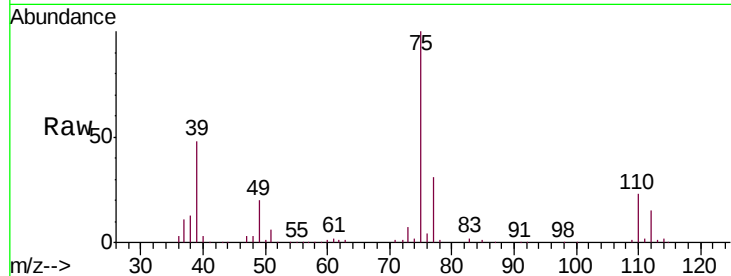
VSTDIC100

Tgt Ion: 75 Resp: 181705

Ion Ratio Lower Upper

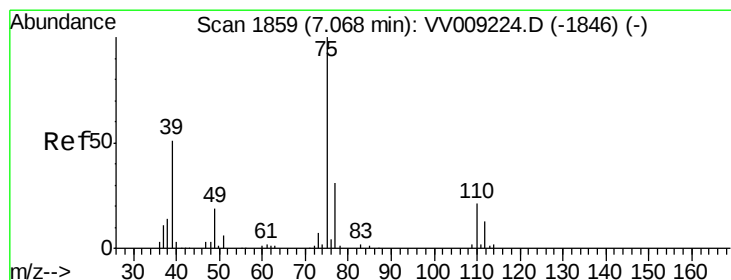
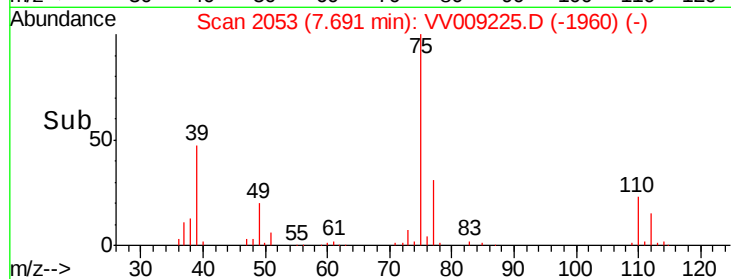
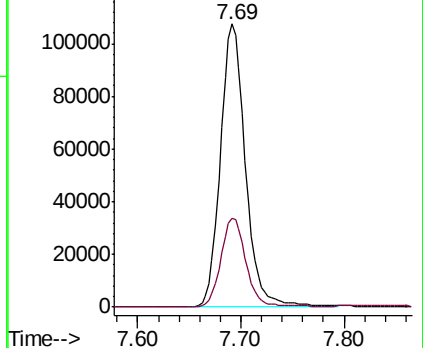
75 100

77 31.4 24.4 36.6



Abundance Ion 74.90 (74.60 to 75.60): VV0

Ion 76.90 (76.60 to 77.60): VV0



#54

cis-1,3-Dichloropropene

Concen: 113.522 ug/l

RT: 7.07 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

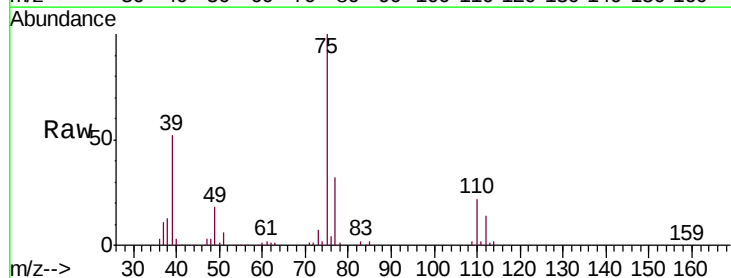
Tgt Ion: 75 Resp: 203544

Ion Ratio Lower Upper

75 100

77 32.4 24.7 37.1

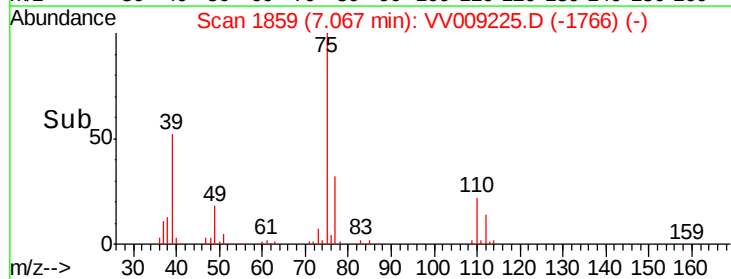
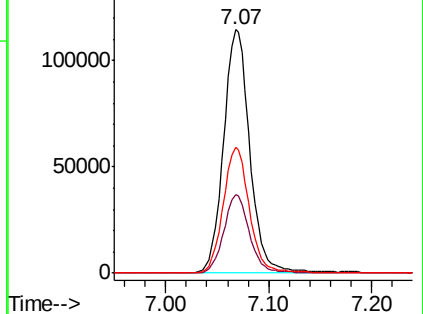
39 51.5 40.8 61.2

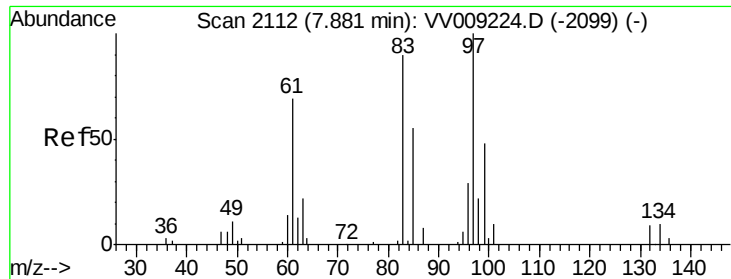


Abundance Ion 74.90 (74.60 to 75.60): VV0

Ion 76.90 (76.60 to 77.60): VV0

Ion 39.00 (38.70 to 39.70): VV0

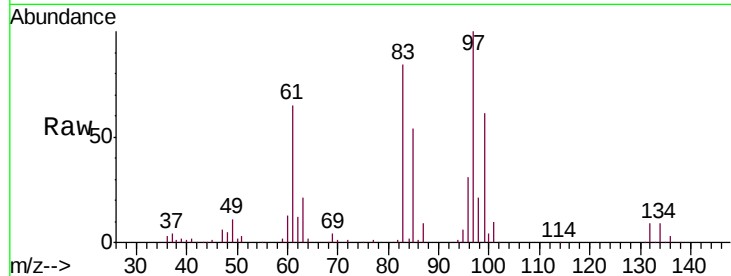




#55
 1,1,2-Trichloroethane
 Concen: 116.519 ug/l
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV009225.D
 Acq: 18 Jan 2019 17:22

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC100

Tgt Ion:	97	Resp:	93005
Ion	Ratio	Lower	Upper
97	100		
83	84.5	71.9	107.9
85	54.0	44.8	67.2
99	60.3	50.9	76.3



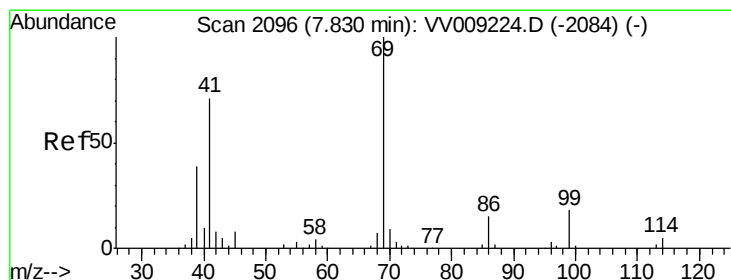
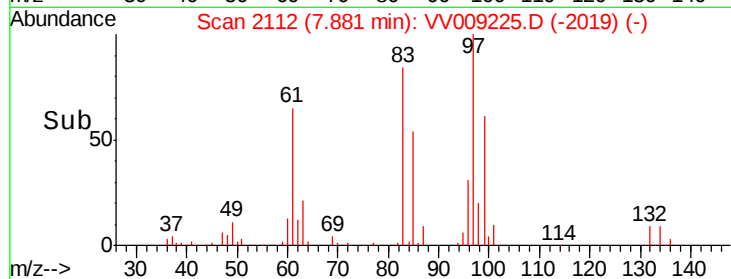
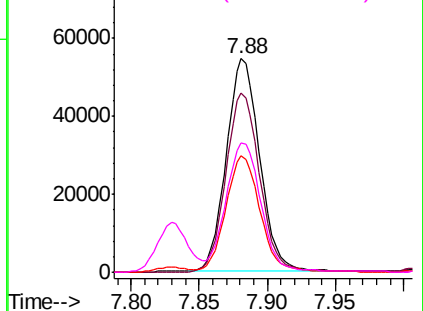
Abundance

Ion 96.90 (96.60 to 97.60): VV0

Ion 82.90 (82.60 to 83.60): VV0

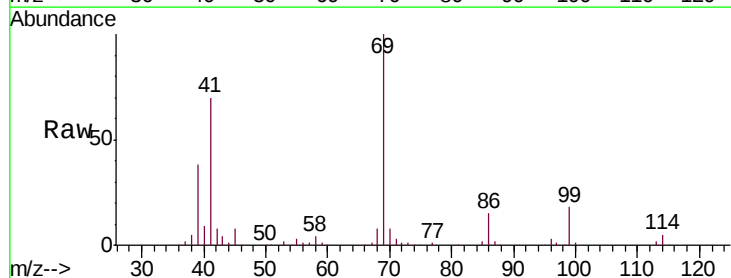
Ion 84.90 (84.60 to 85.60): VV0

Ion 98.90 (98.60 to 99.60): VV0



#56
 Ethyl methacrylate
 Concen: 121.756 ug/l
 RT: 7.83 min Scan# 2096
 Delta R.T. -0.00 min
 Lab File: VV009225.D
 Acq: 18 Jan 2019 17:22

Tgt Ion:	69	Resp:	122152
Ion	Ratio	Lower	Upper
69	100		
41	68.9	55.4	83.2
39	36.0	29.4	44.2

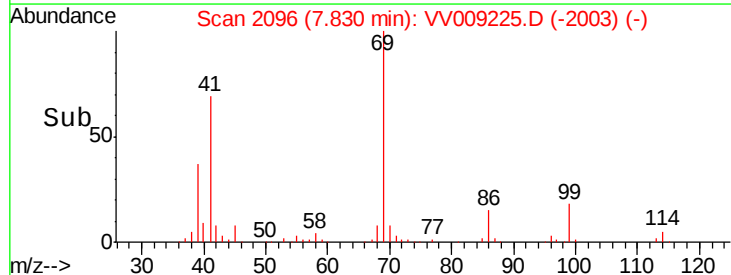
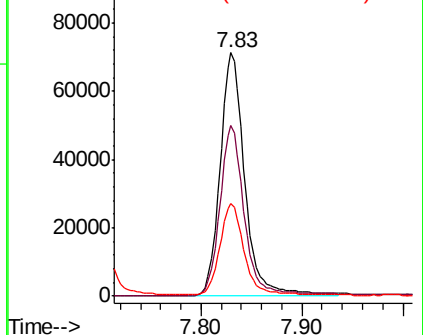


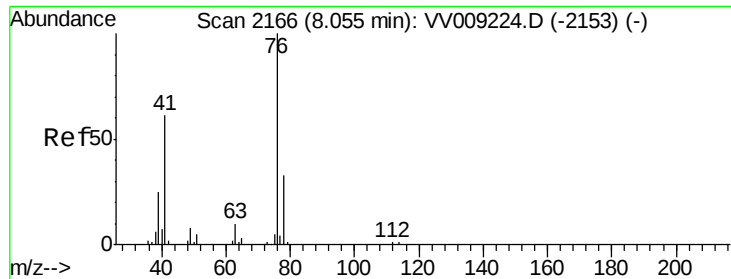
Abundance

Ion 69.00 (68.70 to 69.70): VV0

Ion 41.00 (40.70 to 41.70): VV0

Ion 39.00 (38.70 to 39.70): VV0





#57

1,3-Dichloropropane

Concen: 112.910 ug/l

RT: 8.05 min Scan# 2166

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

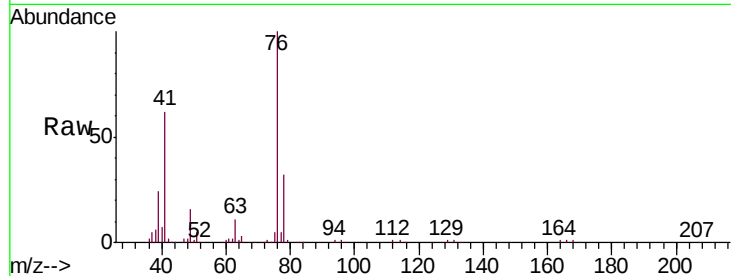
VSTDIC100

Tgt Ion: 76 Resp: 169940

Ion Ratio Lower Upper

76 100

78 32.5 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VV009225.D (-2073) (-)

Ion 77.90 (77.60 to 78.60): VV009225.D (-2073) (-)

8.05

100000

80000

60000

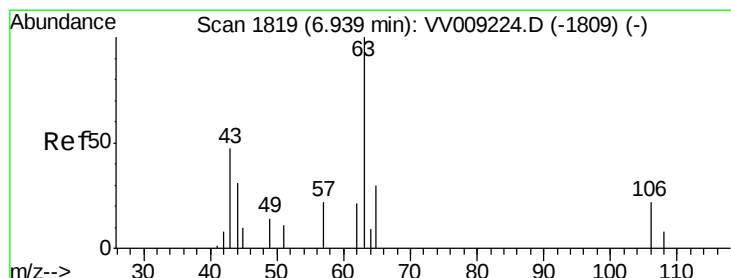
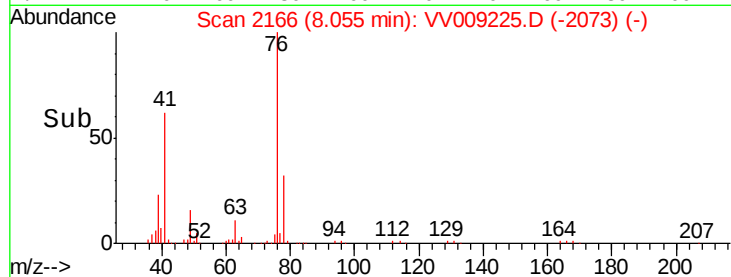
40000

20000

0

8.00 8.05 8.10 8.15

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 1427.633 ug/l

RT: 6.93 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VV009225.D

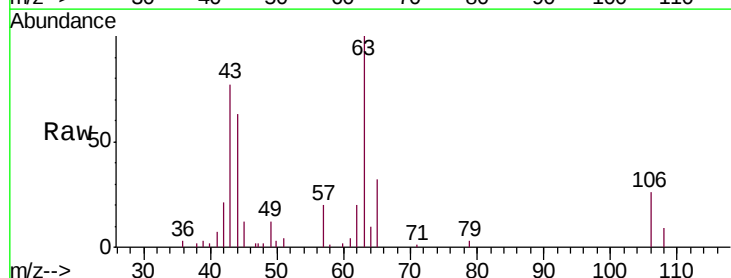
Acq: 18 Jan 2019 17:22

Tgt Ion: 63 Resp: 12870

Ion Ratio Lower Upper

63 100

106 26.3 16.6 24.8#



Abundance Ion 62.90 (62.60 to 63.60): VV009225.D (-1726) (-)

Ion 105.90 (105.60 to 106.60): VV009225.D (-1726) (-)

6.93

8000

6000

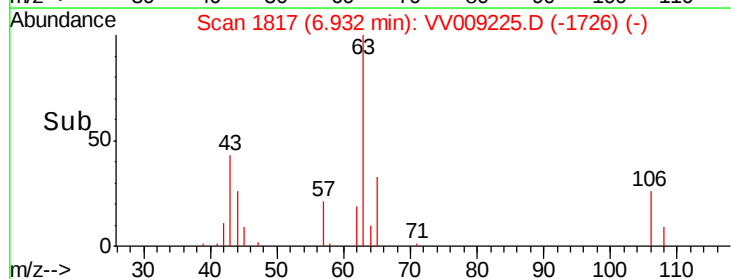
4000

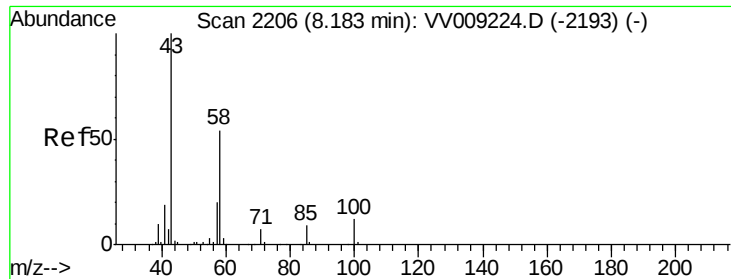
2000

0

6.85 6.90 6.95 7.00

Time-->

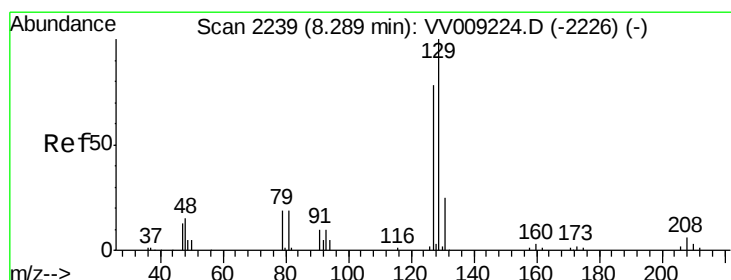
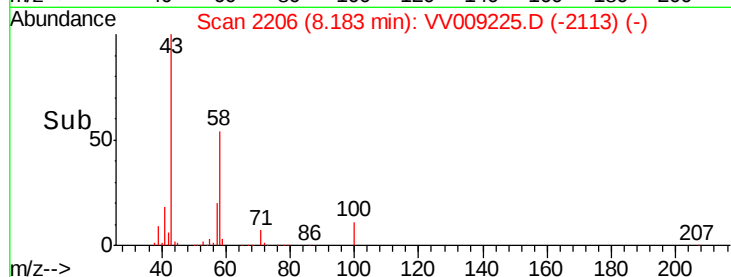
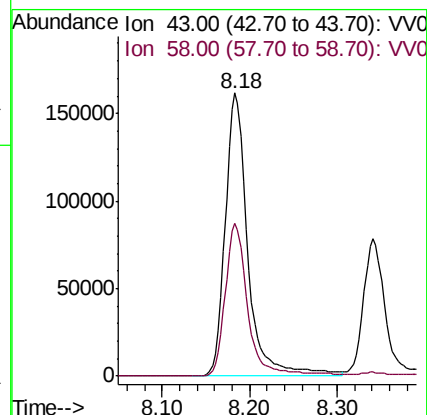
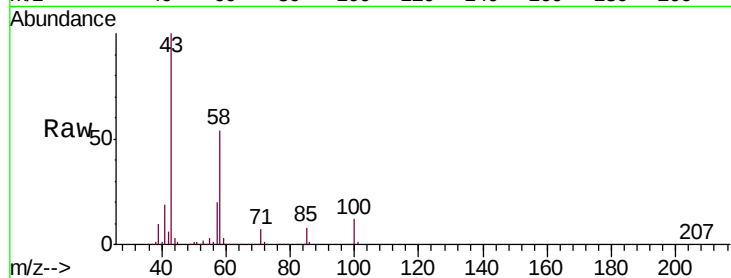




#59
2-Hexanone
Concen: 603.639 ug/l
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

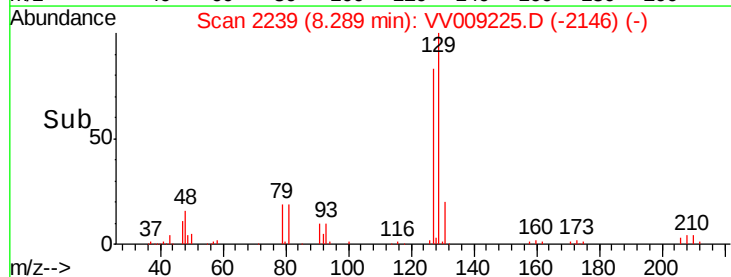
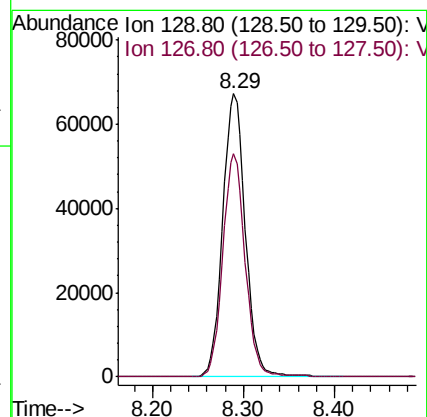
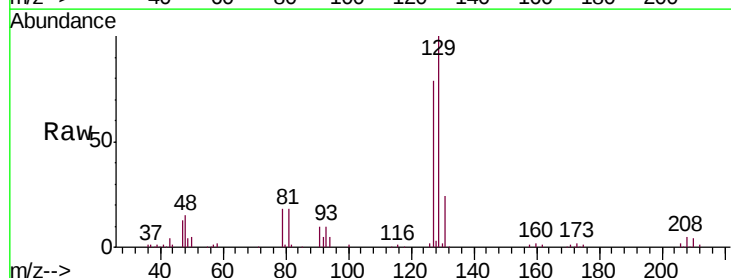
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

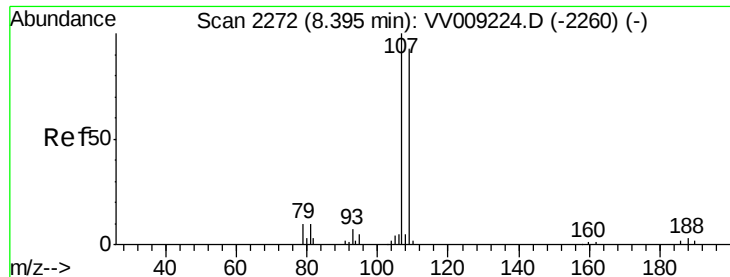
Tgt Ion: 43 Resp: 291134
Ion Ratio Lower Upper
43 100
58 54.2 26.3 78.9



#60
Dibromochloromethane
Concen: 118.540 ug/l
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Tgt Ion: 129 Resp: 116506
Ion Ratio Lower Upper
129 100
127 77.9 38.6 115.8





#61

1,2-Dibromoethane

Concen: 117.794 ug/l

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

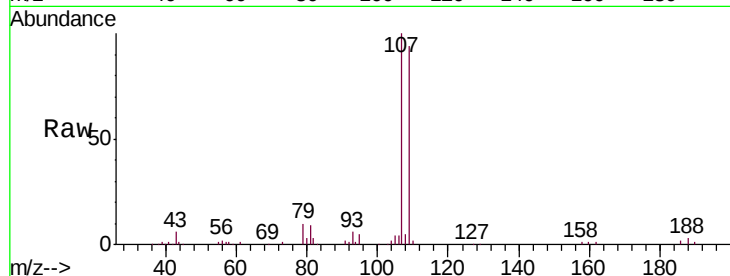
VSTDIC100

Tgt Ion: 107 Resp: 93971

Ion Ratio Lower Upper

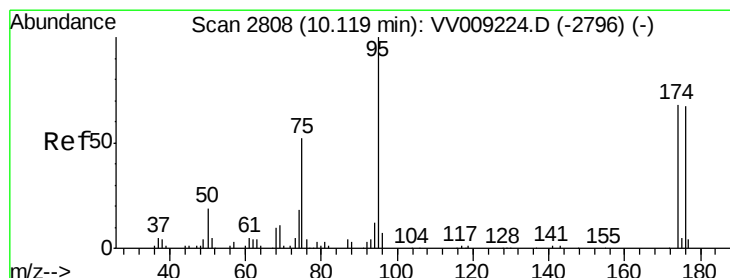
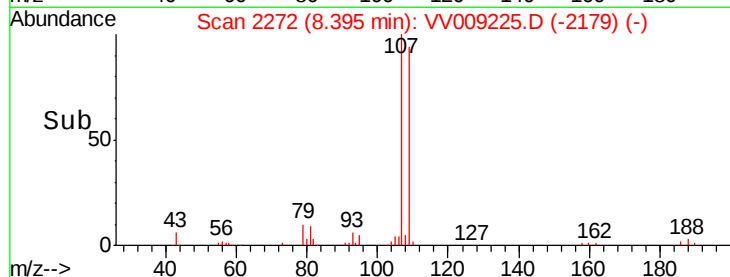
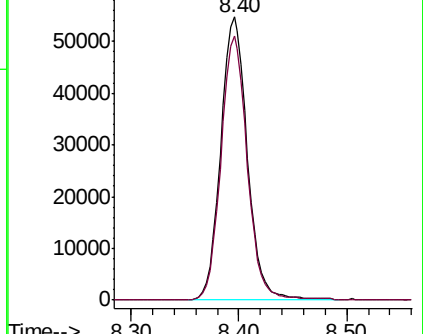
107 100

109 92.6 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 114.706 ug/l

RT: 10.12 min Scan# 2808

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

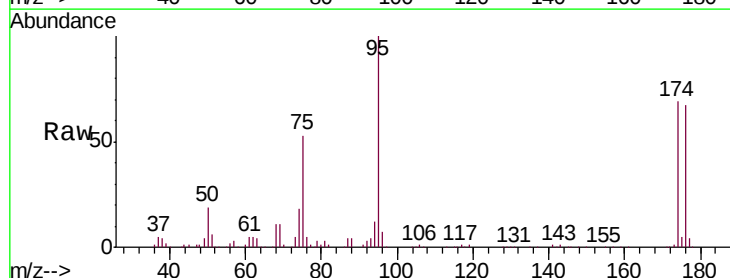
Tgt Ion: 95 Resp: 176643

Ion Ratio Lower Upper

95 100

174 70.7 0.0 141.6

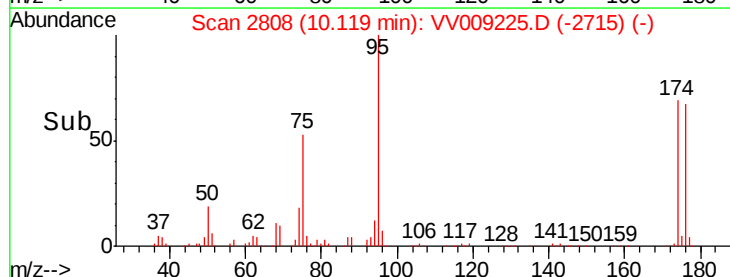
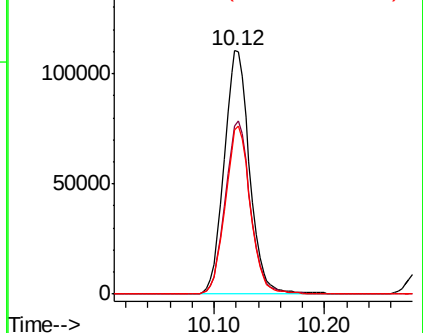
176 68.3 0.0 138.6

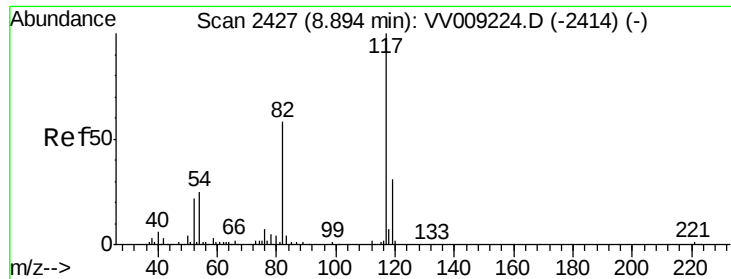


Abundance Ion 94.90 (94.60 to 95.60): VV0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

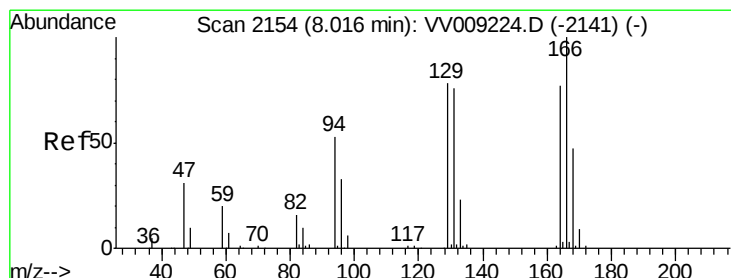
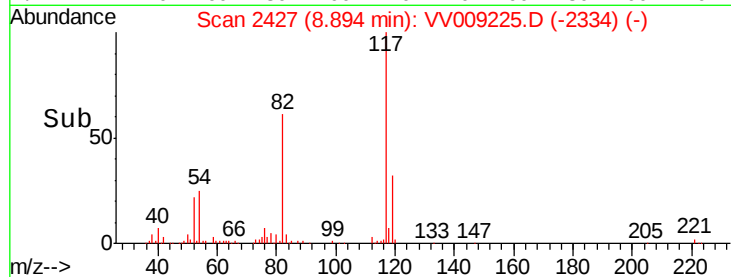
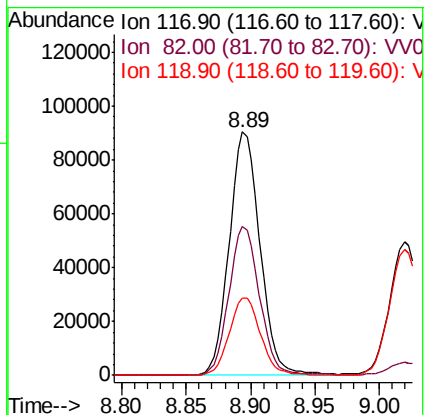
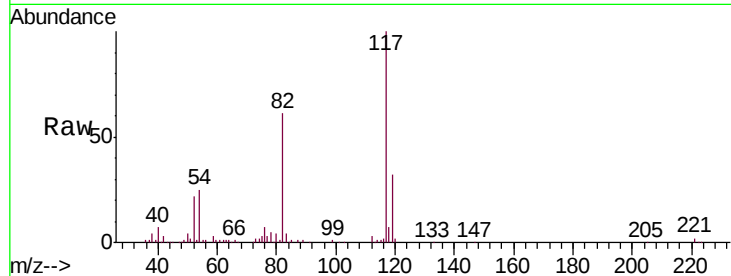




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.89 min Scan# 2427
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

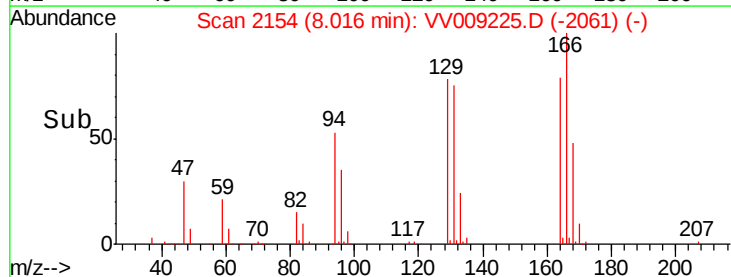
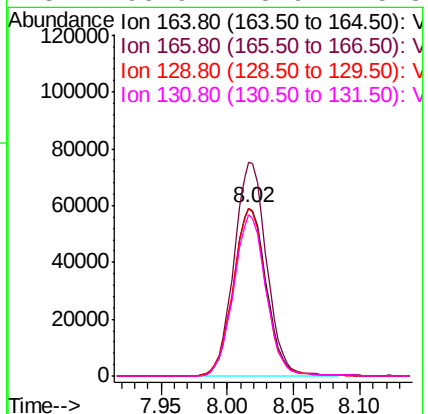
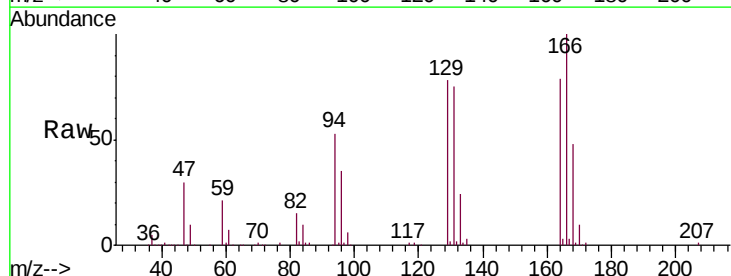
Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

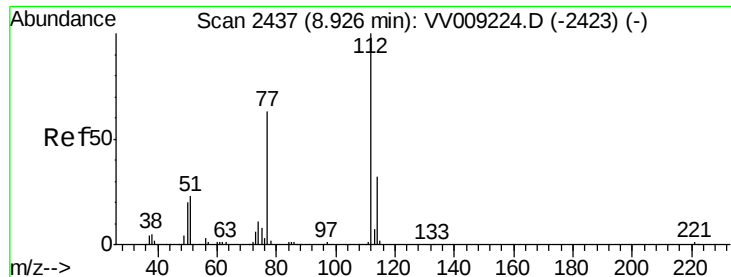
Tgt Ion:117 Resp: 150688
Ion Ratio Lower Upper
117 100
82 61.3 46.2 69.2
119 31.8 25.0 37.4



#64
Tetrachloroethene
Concen: 108.895 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Tgt Ion:164 Resp: 101772
Ion Ratio Lower Upper
164 100
166 127.3 104.2 156.2
129 99.7 81.0 121.4
131 95.9 78.9 118.3





#65

Chlorobenzene

Concen: 108.694 ug/l

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

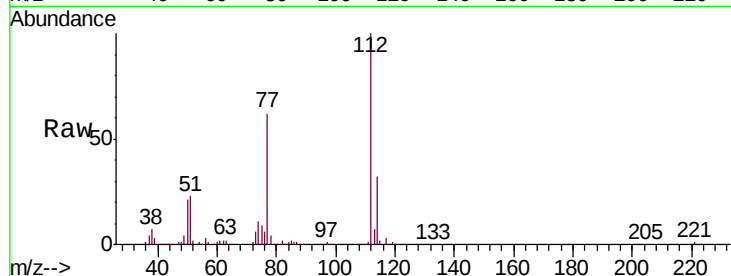
VSTDIC100

Tgt Ion:112 Resp: 344695

Ion Ratio Lower Upper

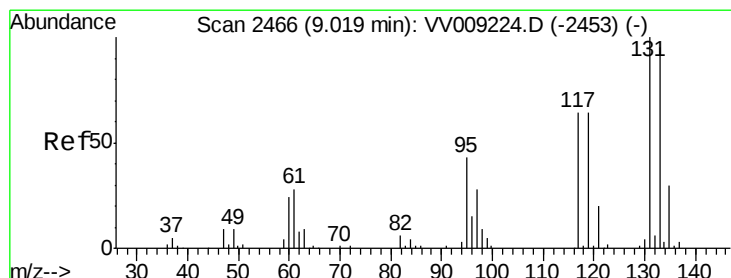
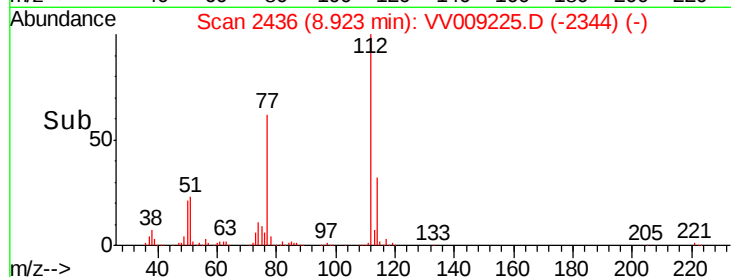
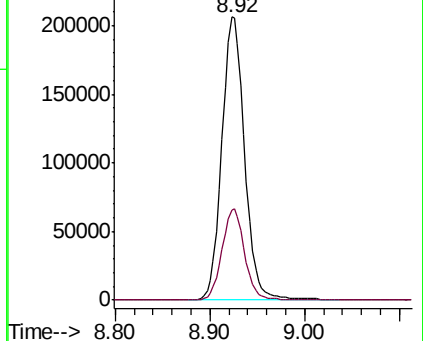
112 100

114 31.9 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 110.089 ug/l

RT: 9.02 min Scan# 2466

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

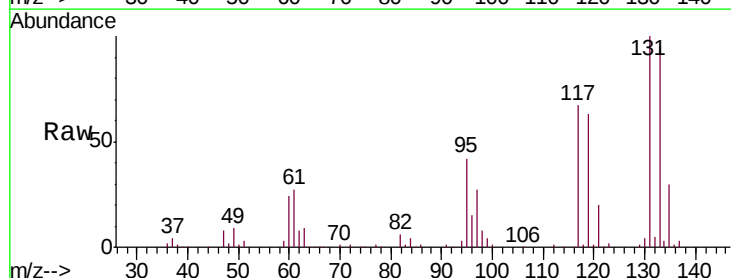
Tgt Ion:131 Resp: 123981

Ion Ratio Lower Upper

131 100

133 95.5 47.3 141.8

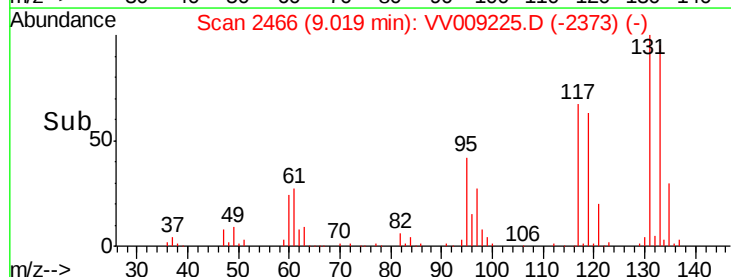
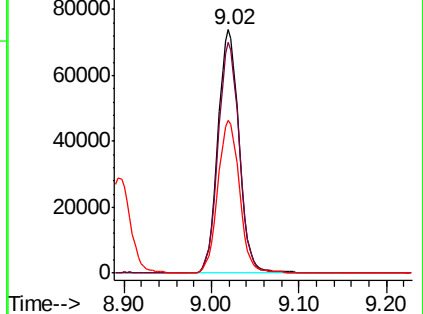
119 63.7 32.5 97.5

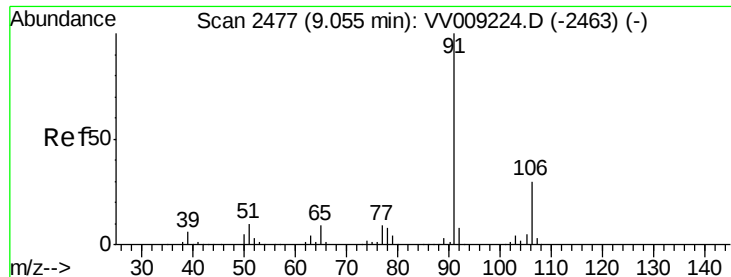


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 108.120 ug/l

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

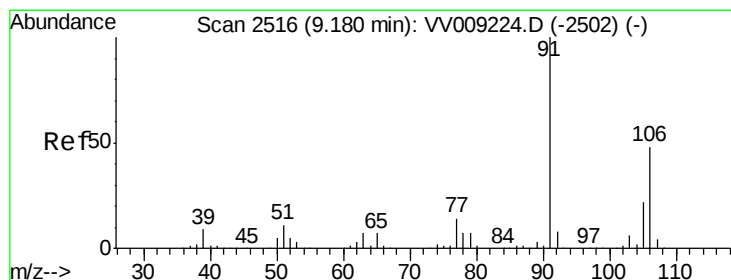
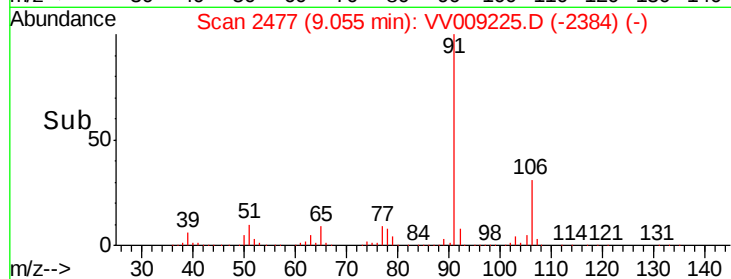
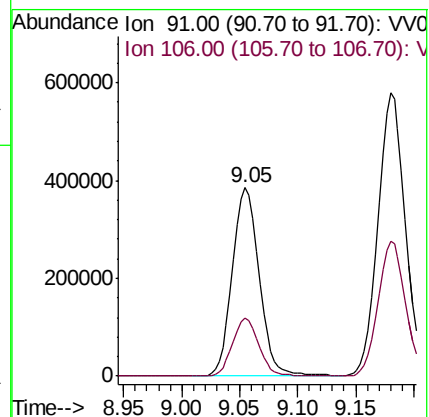
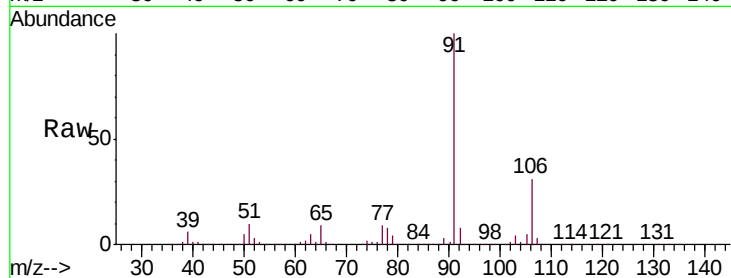
VSTDIC100

Tgt Ion: 91 Resp: 618266

Ion Ratio Lower Upper

91 100

106 30.6 24.1 36.1



#68

m/p-Xylenes

Concen: 217.155 ug/l

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV009225.D

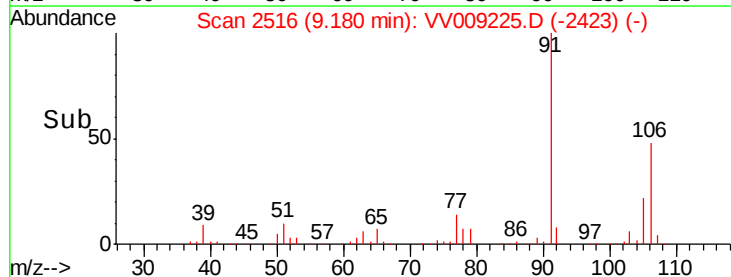
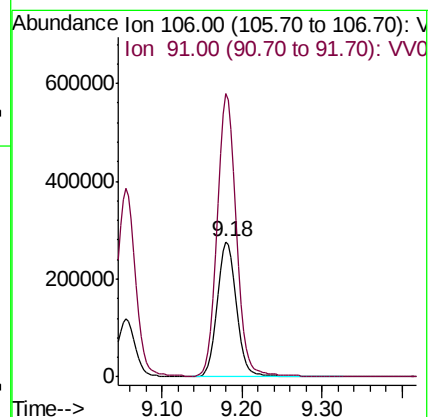
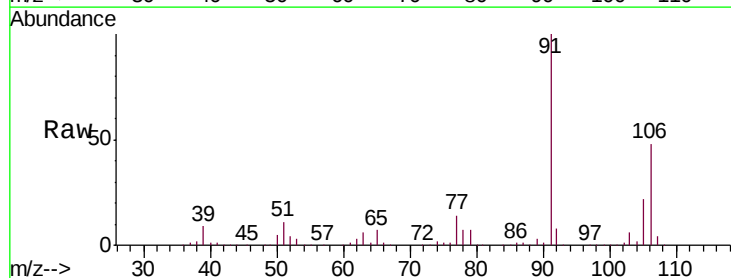
Acq: 18 Jan 2019 17:22

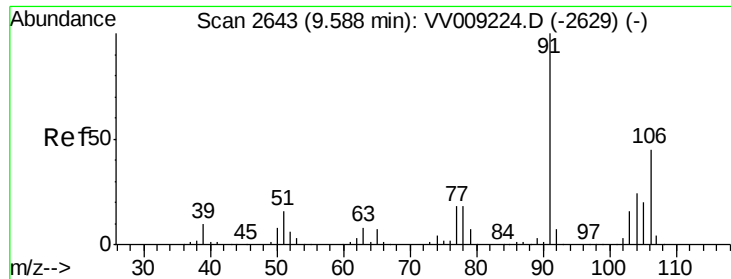
Tgt Ion: 106 Resp: 463306

Ion Ratio Lower Upper

106 100

91 209.1 170.4 255.6

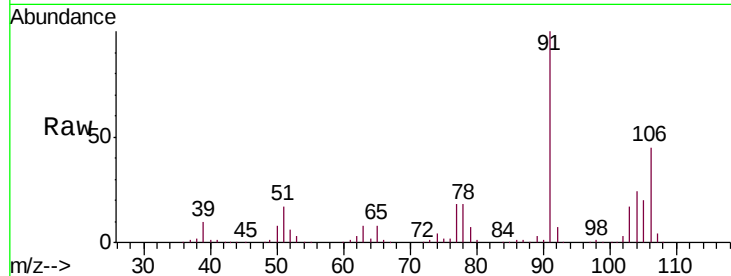




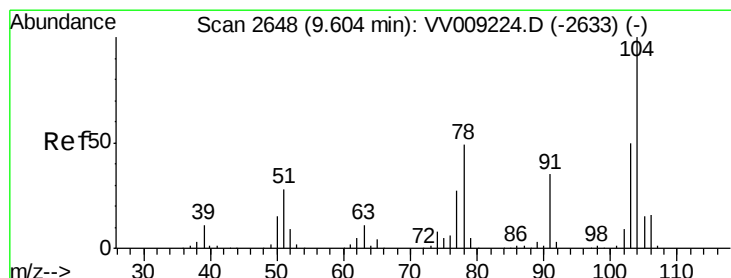
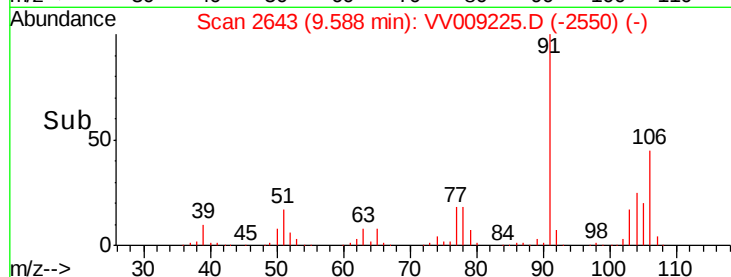
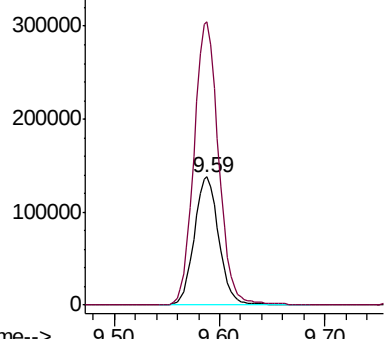
#69
o-Xylene
Concen: 108.842 ug/l
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Instrument :
MSVOA_V
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 222822
Ion Ratio Lower Upper
106 100
91 221.9 110.6 331.8

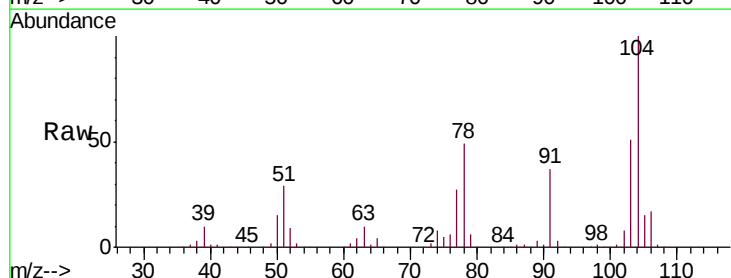


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

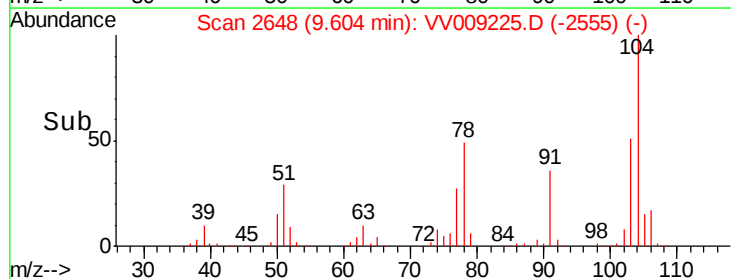
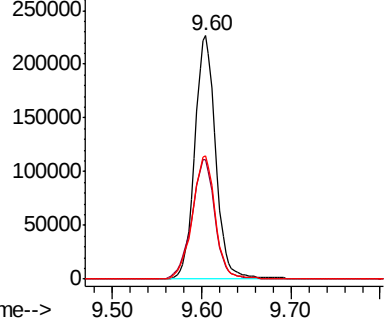


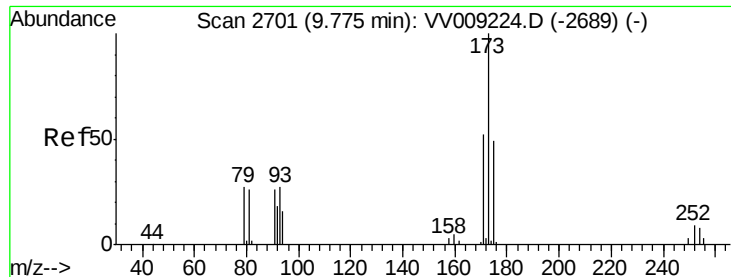
#70
Styrene
Concen: 110.063 ug/l
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Tgt Ion:104 Resp: 369583
Ion Ratio Lower Upper
104 100
78 54.5 43.7 65.5
103 54.8 44.0 66.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 119.459 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

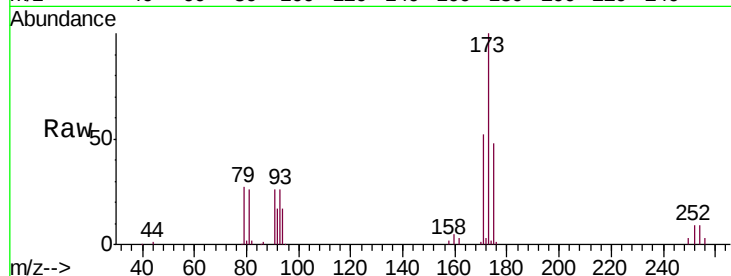
Tgt Ion:173 Resp: 65117

Ion Ratio Lower Upper

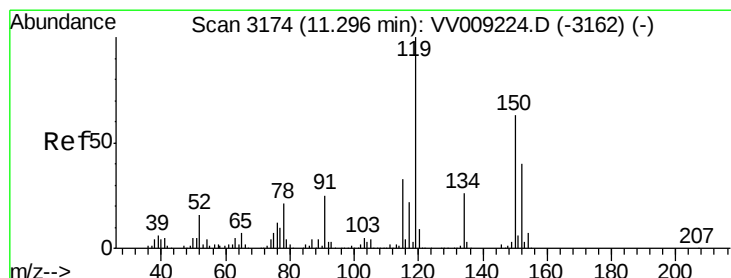
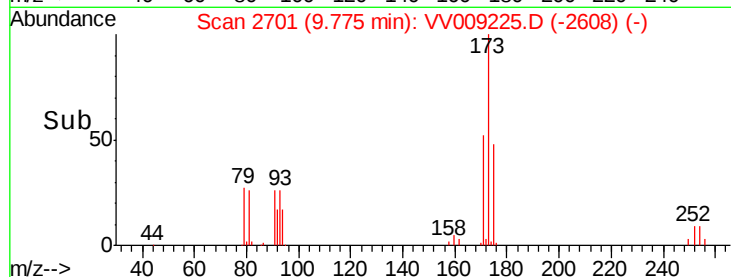
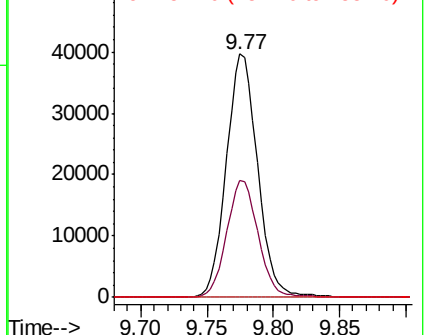
173 100

175 48.3 24.1 72.4

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

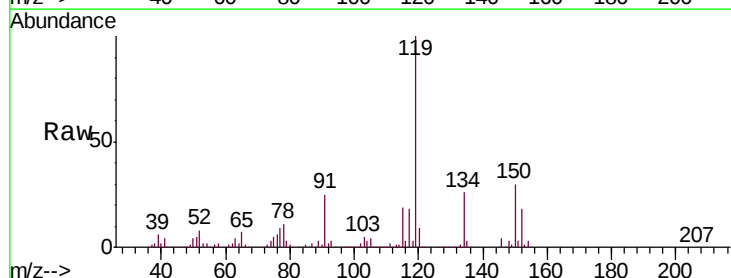
Tgt Ion:152 Resp: 78231

Ion Ratio Lower Upper

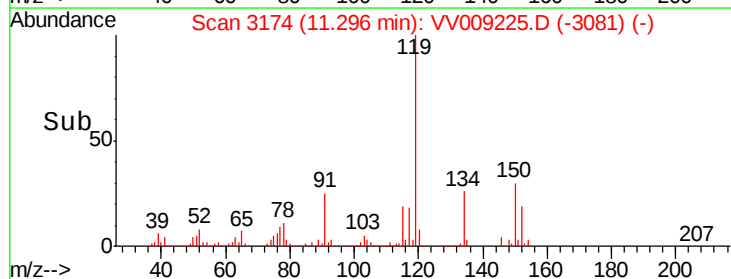
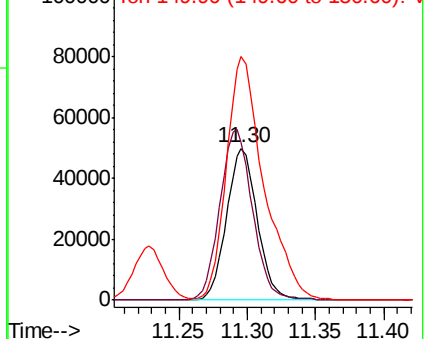
152 100

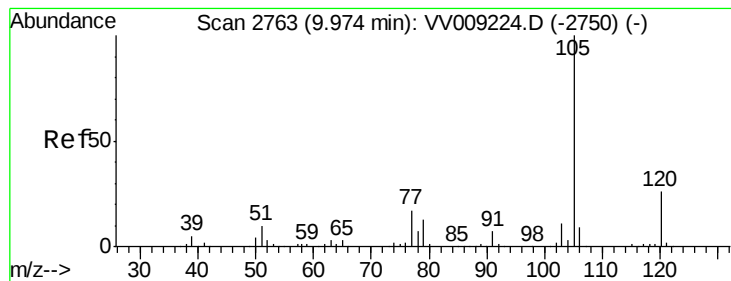
115 119.1 45.1 135.3

150 195.5 0.0 350.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 106.165 ug/l

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

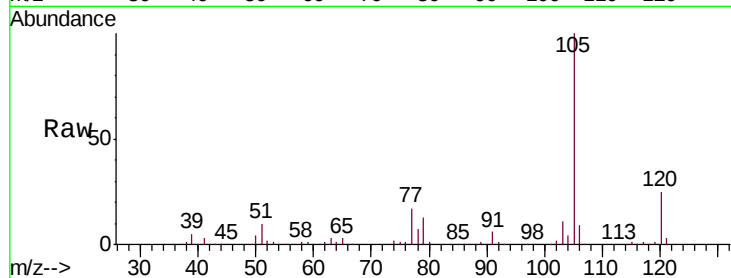
VSTDIC100

Tgt Ion:105 Resp: 618097

Ion Ratio Lower Upper

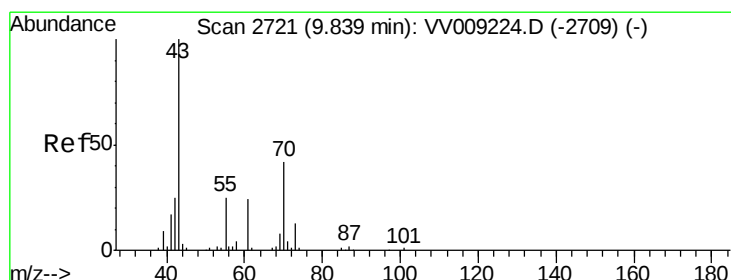
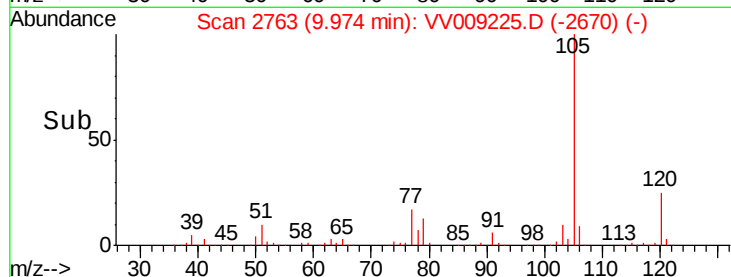
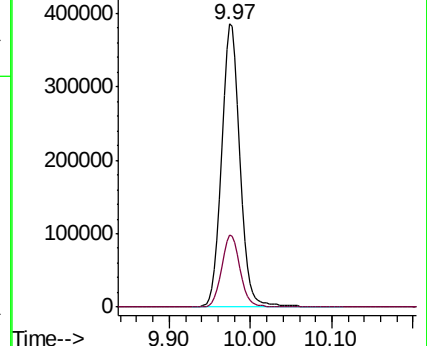
105 100

120 25.7 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 118.209 ug/l

RT: 9.84 min Scan# 2721

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Tgt Ion: 43 Resp: 146271

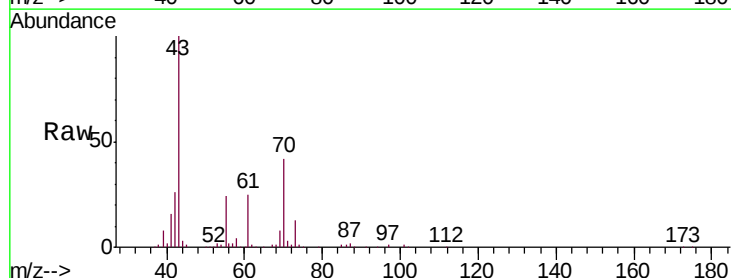
Ion Ratio Lower Upper

43 100

70 41.8 32.4 48.6

55 24.4 19.9 29.9

61 23.9 19.0 28.6

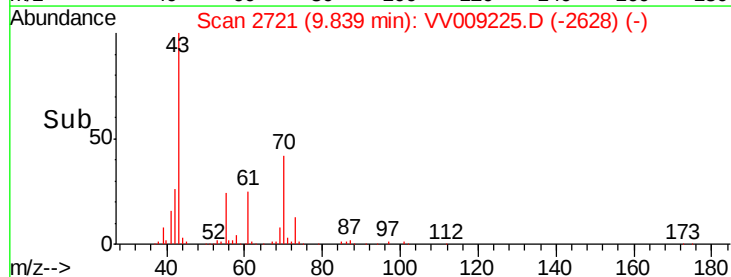
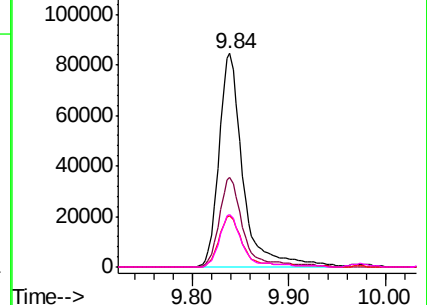


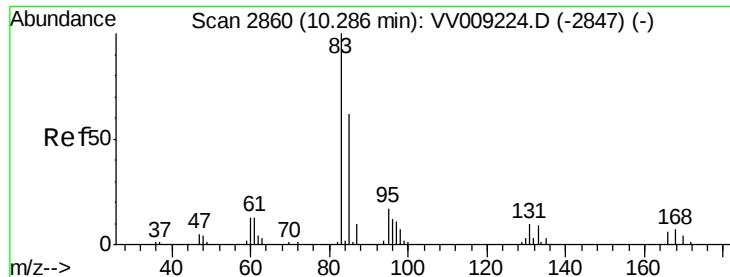
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 70.00 (69.70 to 70.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 61.00 (60.70 to 61.70): VV0





#75

1,1,2,2-Tetrachloroethane

Concen: 111.762 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

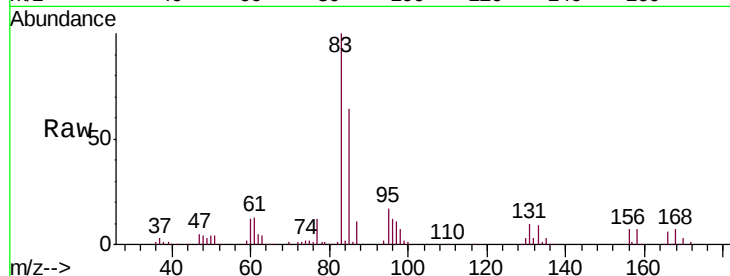
Tgt Ion: 83 Resp: 115806

Ion Ratio Lower Upper

83 100

131 10.3 5.2 15.6

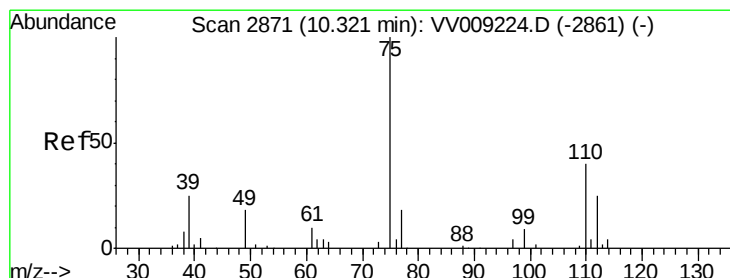
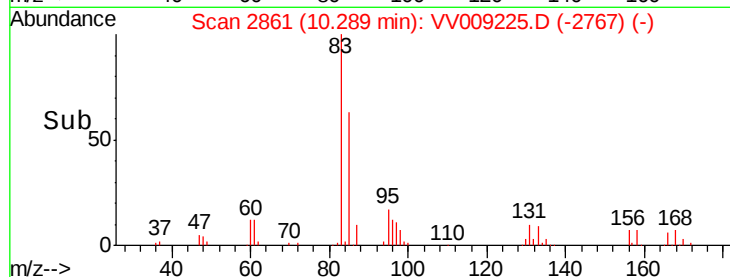
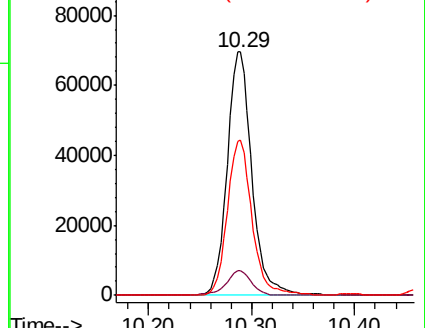
85 64.1 31.6 94.7



Abundance Ion 82.90 (82.60 to 83.60): VV009225.D (-2767) (-)

Ion 130.80 (130.50 to 131.50): VV009225.D (-2767) (-)

Ion 84.90 (84.60 to 85.60): VV009225.D (-2767) (-)



#76

1,2,3-Trichloropropane

Concen: 40.518 ug/l

RT: 10.05 min Scan# 2786

Delta R.T. -0.27 min

Lab File: VV009225.D

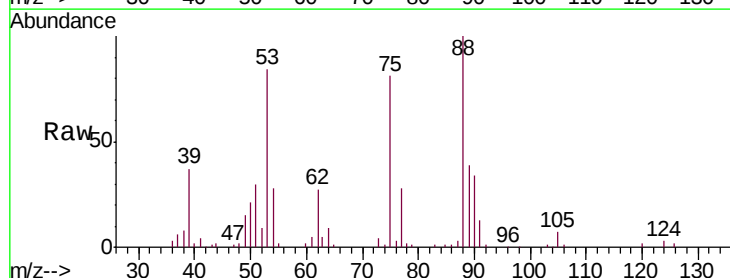
Acq: 18 Jan 2019 17:22

Tgt Ion: 75 Resp: 31680

Ion Ratio Lower Upper

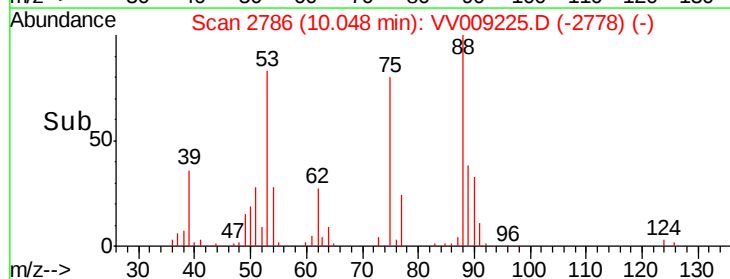
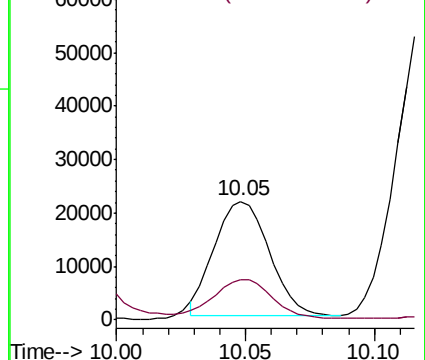
75 100

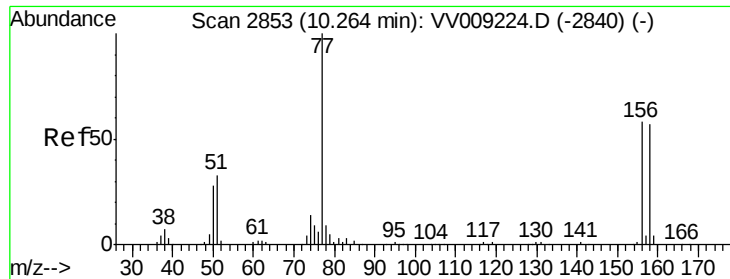
77 35.3 24.1 72.3



Abundance Ion 74.90 (74.60 to 75.60): VV009225.D (-2778) (-)

Ion 77.00 (76.70 to 77.70): VV009225.D (-2778) (-)





#77

Bromobenzene

Concen: 107.627 ug/l

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

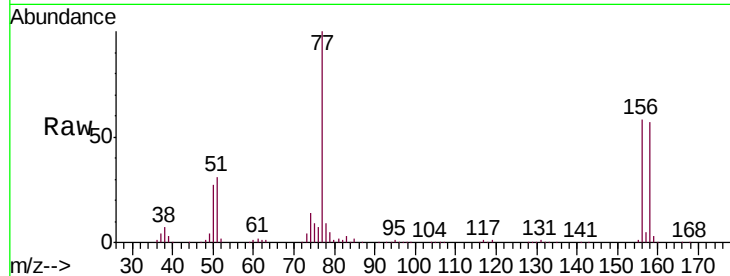
Tgt Ion:156 Resp: 136830

Ion Ratio Lower Upper

156 100

77 175.0 86.6 259.7

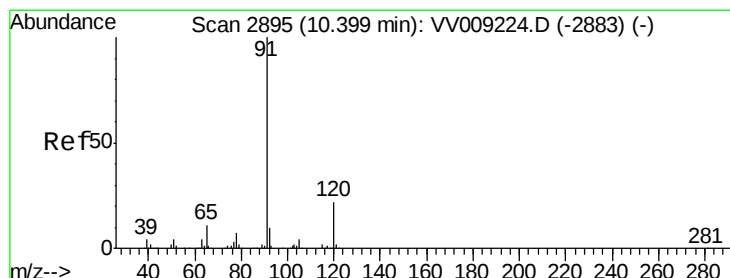
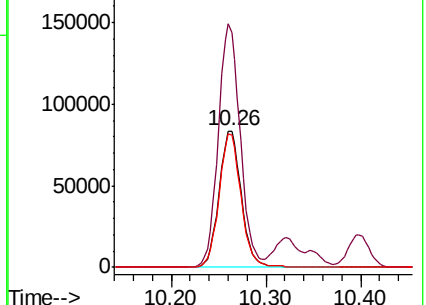
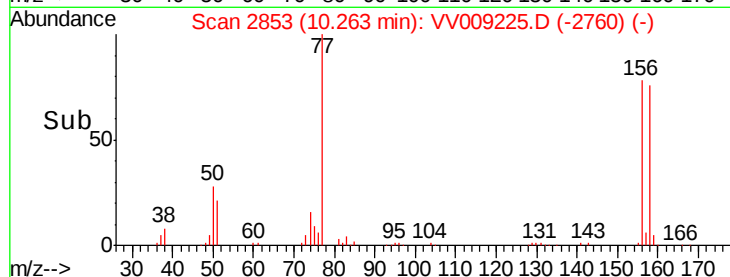
158 96.8 48.8 146.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 105.757 ug/l

RT: 10.40 min Scan# 2895

Delta R.T. -0.00 min

Lab File: VV009225.D

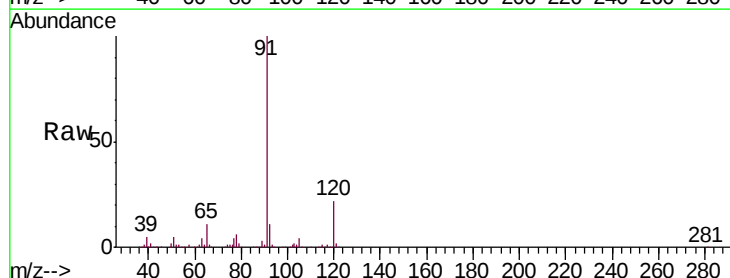
Acq: 18 Jan 2019 17:22

Tgt Ion: 91 Resp: 735366

Ion Ratio Lower Upper

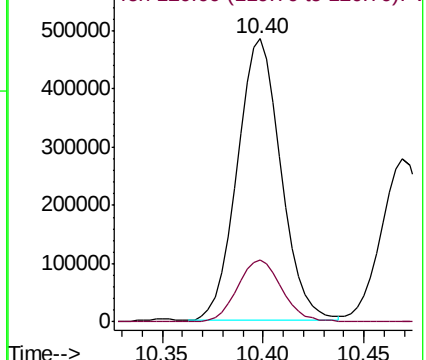
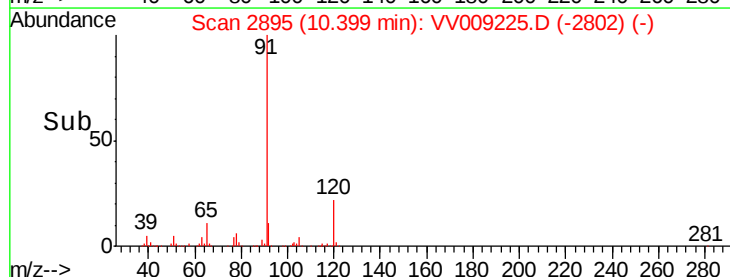
91 100

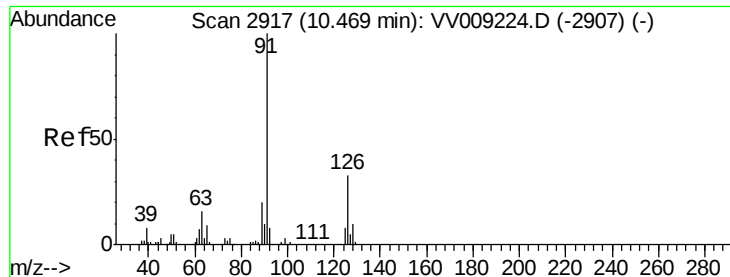
120 22.7 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 106.479 ug/l

RT: 10.47 min Scan# 2917

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampled :

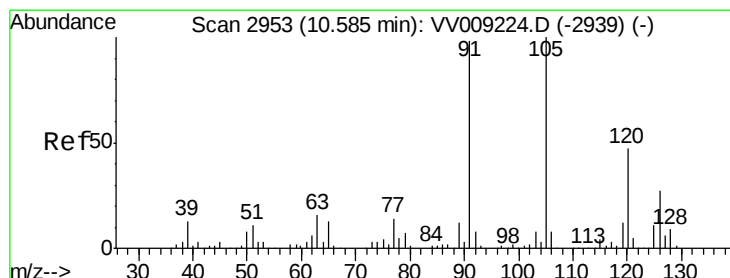
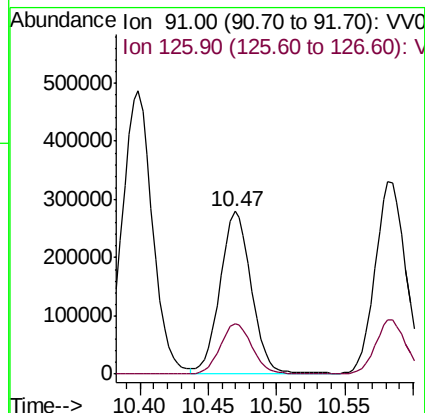
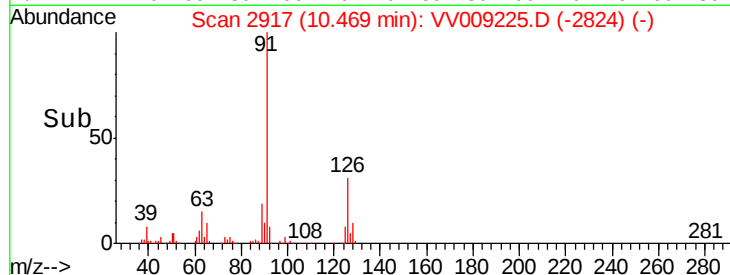
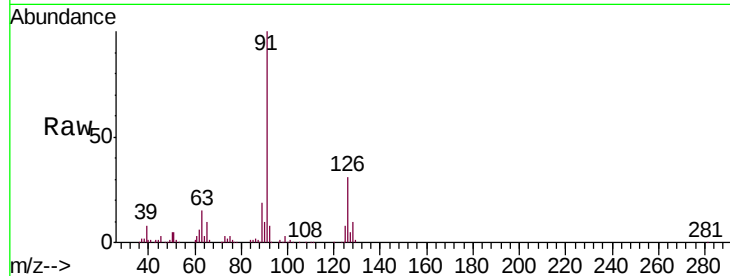
VSTDIC100

Tgt Ion: 91 Resp: 441958

Ion Ratio Lower Upper

91 100

126 31.9 16.0 47.9



#80

1,3,5-Trimethylbenzene

Concen: 105.740 ug/l

RT: 10.59 min Scan# 2953

Delta R.T. -0.00 min

Lab File: VV009225.D

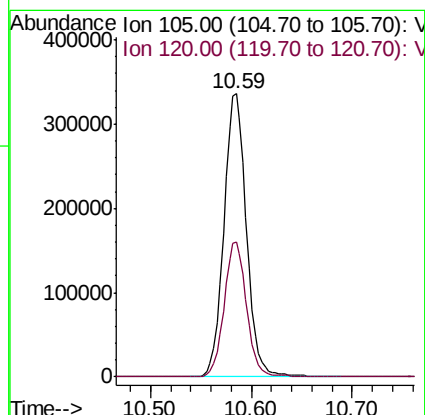
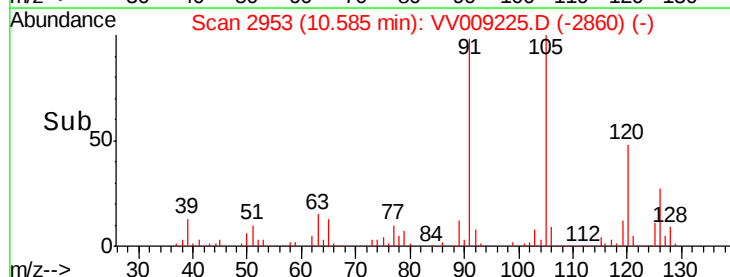
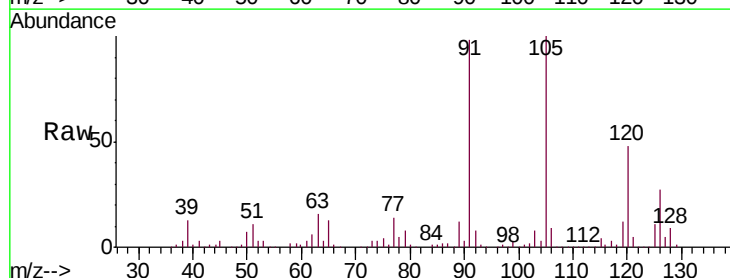
Acq: 18 Jan 2019 17:22

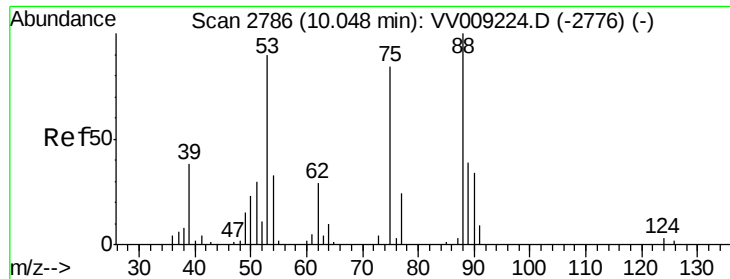
Tgt Ion: 105 Resp: 523686

Ion Ratio Lower Upper

105 100

120 47.5 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 117.422 ug/l

RT: 10.05 min Scan# 2786

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

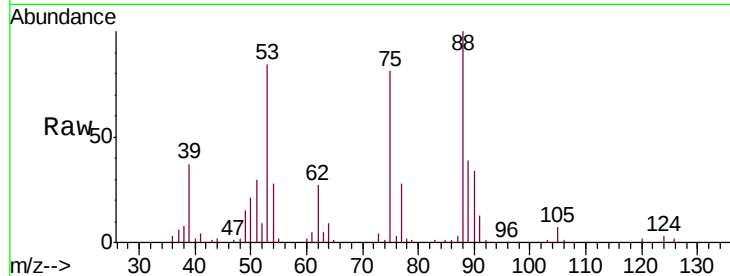
Tgt Ion: 75 Resp: 34934

Ion Ratio Lower Upper

75 100

53 103.5 85.5 128.3

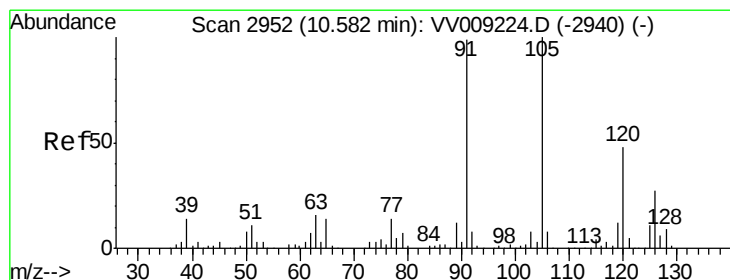
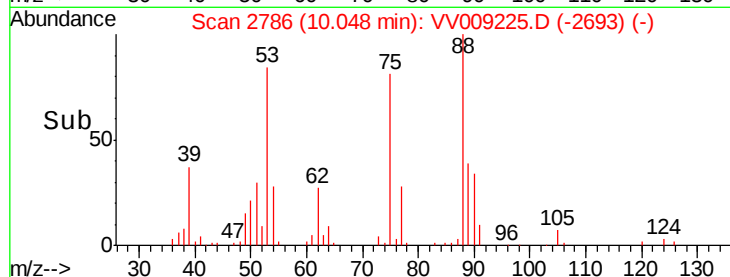
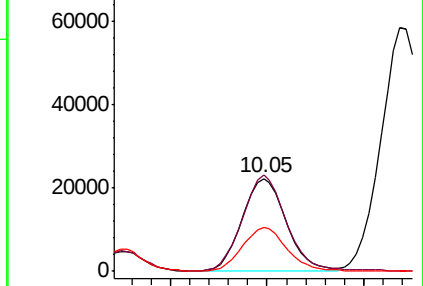
89 49.0 36.3 54.5



Abundance Ion 74.90 (74.60 to 75.60): VV009225.D (-2693) (-)

Ion 53.00 (52.70 to 53.70): VV009225.D (-2693) (-)

Ion 88.90 (88.60 to 89.60): VV009225.D (-2693) (-)



#82

4-Chlorotoluene

Concen: 104.752 ug/l

RT: 10.58 min Scan# 2952

Delta R.T. -0.00 min

Lab File: VV009225.D

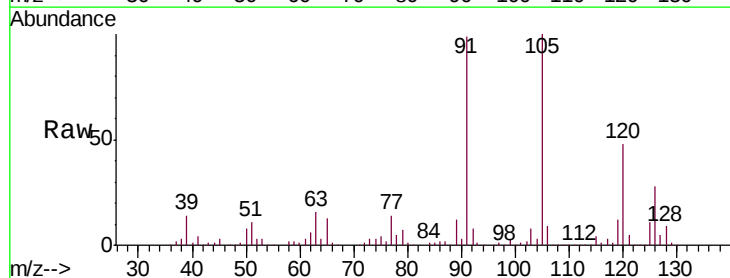
Acq: 18 Jan 2019 17:22

Tgt Ion: 91 Resp: 523649

Ion Ratio Lower Upper

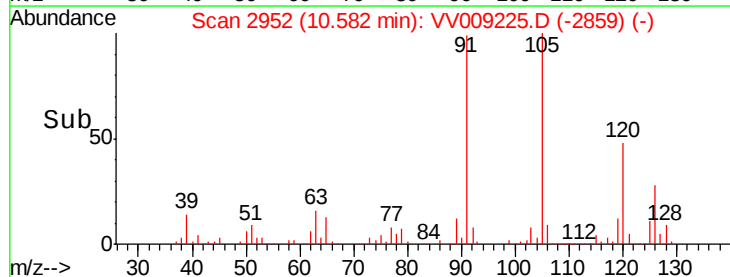
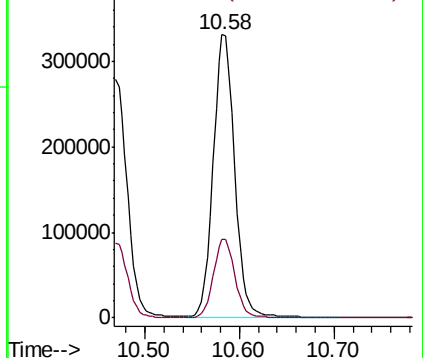
91 100

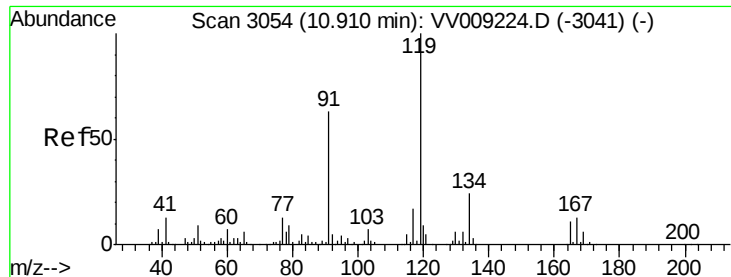
126 28.1 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VV009225.D (-2859) (-)

Ion 125.90 (125.60 to 126.60): VV009225.D (-2859) (-)

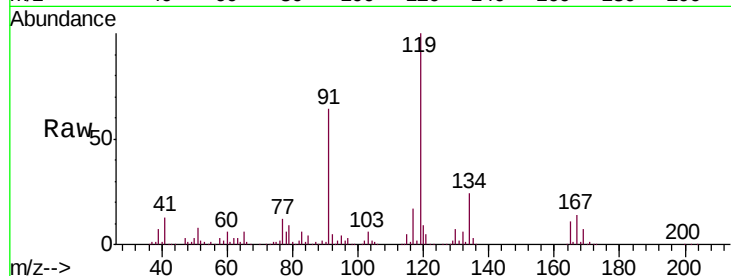




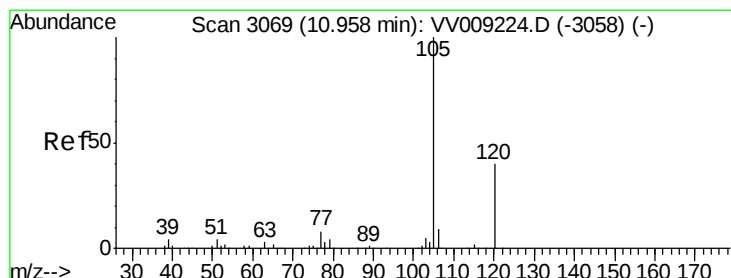
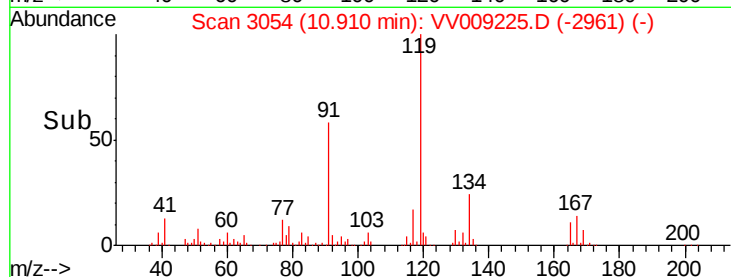
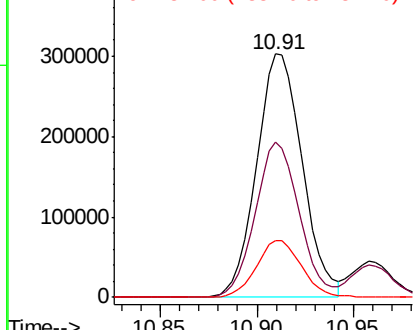
#83
 tert-Butylbenzene
 Concen: 105.960 ug/l
 RT: 10.91 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VV009225.D
 Acq: 18 Jan 2019 17:22

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC100

Tgt Ion:119 Resp: 497202
 Ion Ratio Lower Upper
 119 100
 91 61.0 30.5 91.5
 134 23.3 11.8 35.4

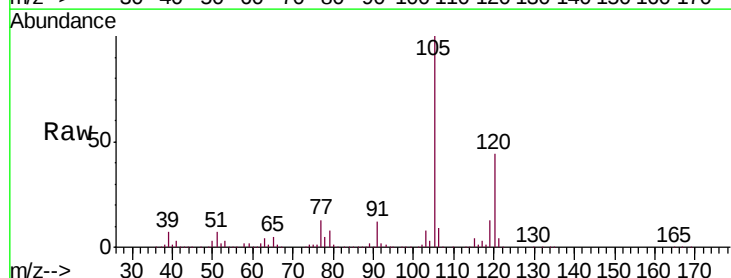


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

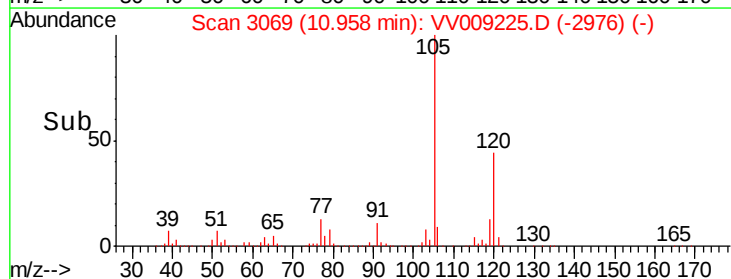
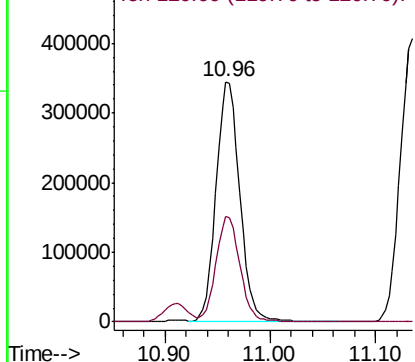


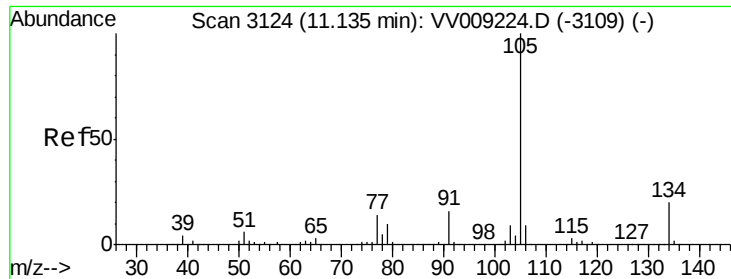
#84
 1,2,4-Trimethylbenzene
 Concen: 106.412 ug/l
 RT: 10.96 min Scan# 3069
 Delta R.T. -0.00 min
 Lab File: VV009225.D
 Acq: 18 Jan 2019 17:22

Tgt Ion:105 Resp: 538886
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

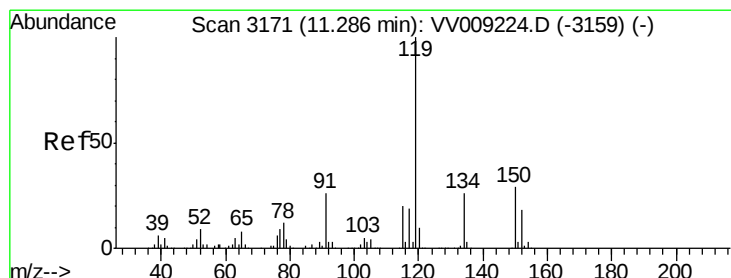
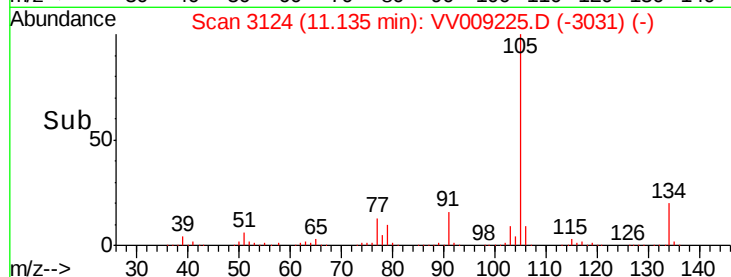
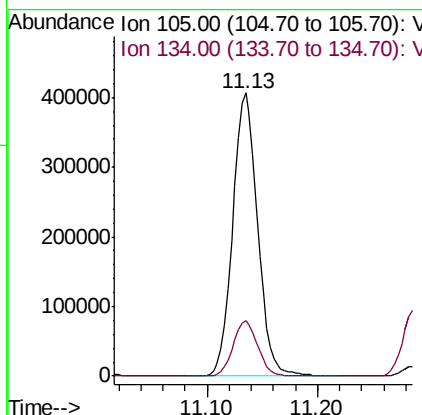
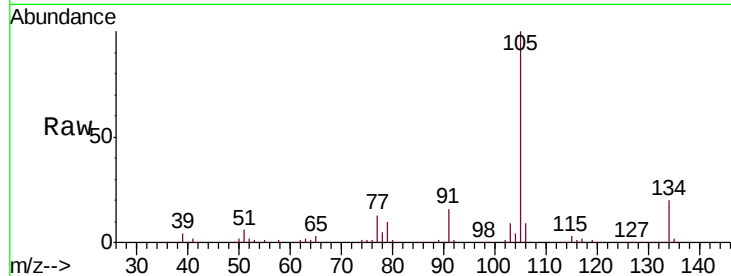




#85
 sec-Butylbenzene
 Concen: 105.777 ug/l
 RT: 11.13 min Scan# 3124
 Delta R.T. -0.00 min
 Lab File: VV009225.D
 Acq: 18 Jan 2019 17:22

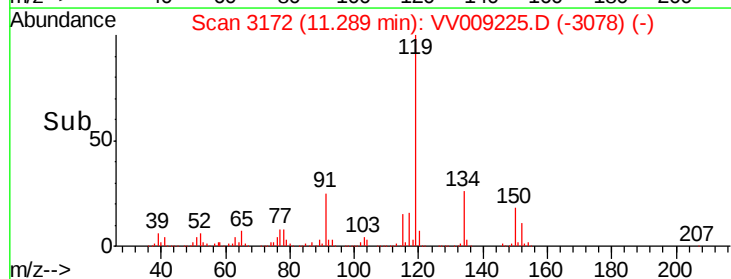
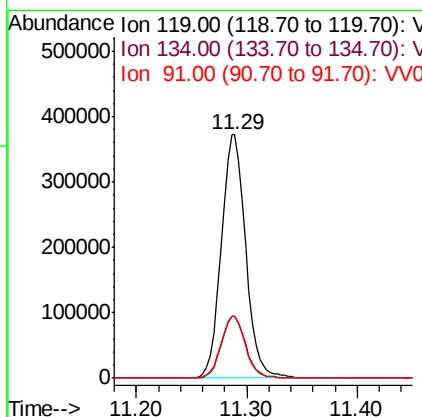
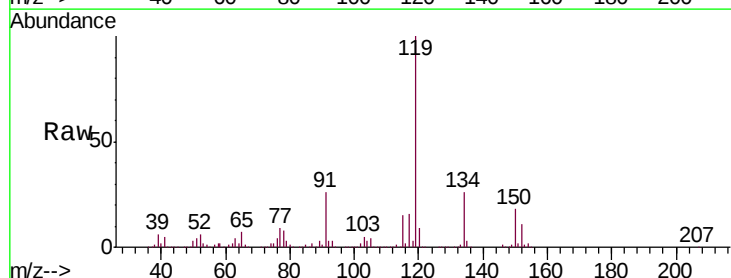
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC100

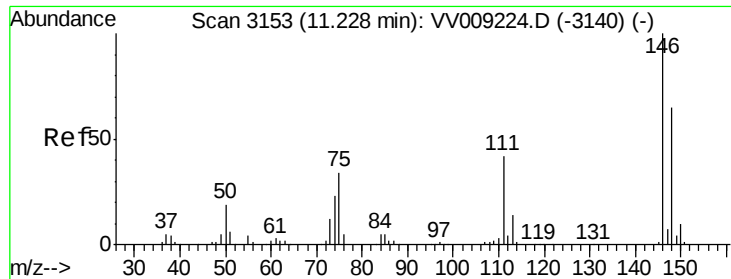
Tgt Ion:105 Resp: 637890
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 106.023 ug/l
 RT: 11.29 min Scan# 3172
 Delta R.T. 0.00 min
 Lab File: VV009225.D
 Acq: 18 Jan 2019 17:22

Tgt Ion:119 Resp: 568323
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.0 39.0
 91 25.5 12.9 38.7





#87

1,3-Dichlorobenzene

Concen: 107.027 ug/l

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

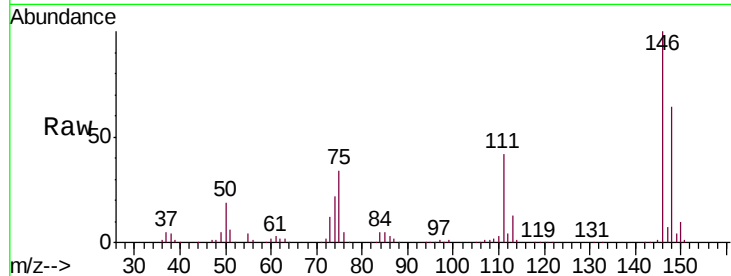
Tgt Ion:146 Resp: 275220

Ion Ratio Lower Upper

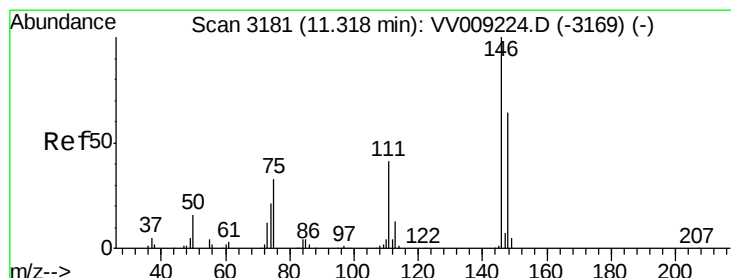
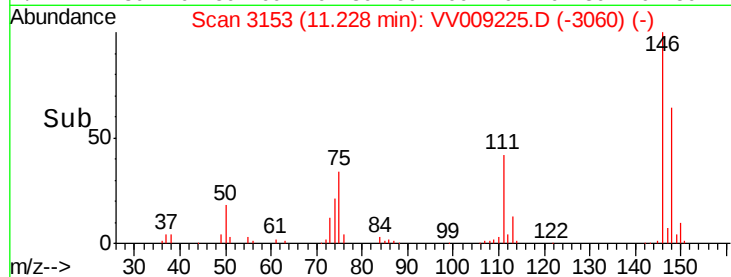
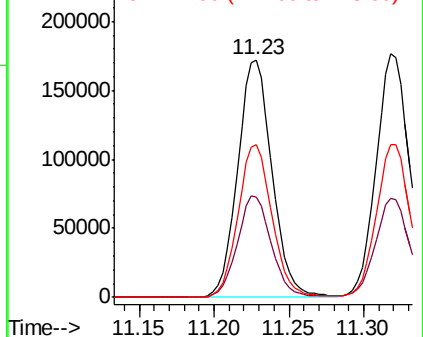
146 100

111 42.4 21.1 63.1

148 63.9 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 107.087 ug/l

RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

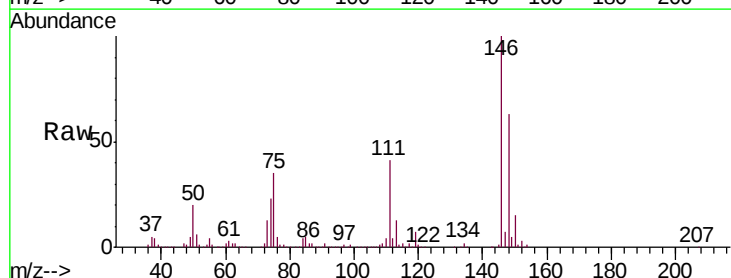
Tgt Ion:146 Resp: 277877

Ion Ratio Lower Upper

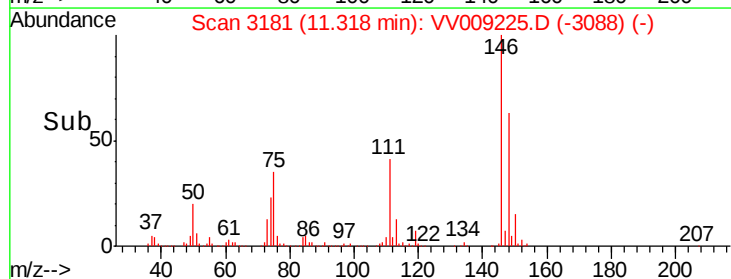
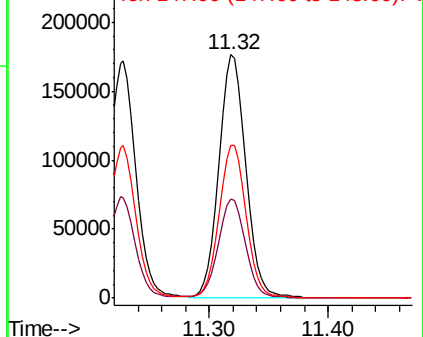
146 100

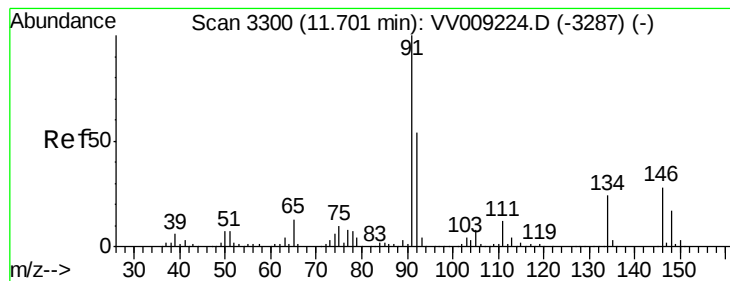
111 41.2 21.0 63.0

148 63.5 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 105.932 ug/l

RT: 11.70 min Scan# 3300

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

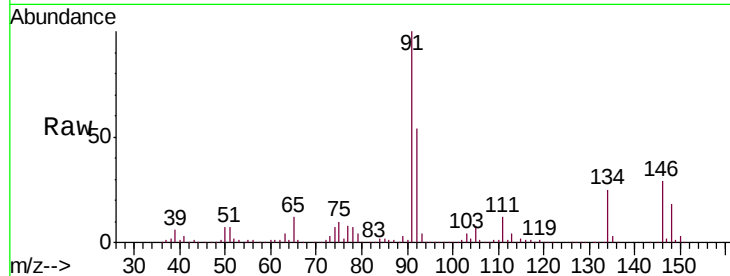
Tgt Ion: 91 Resp: 557386

Ion Ratio Lower Upper

91 100

92 54.0 26.8 80.3

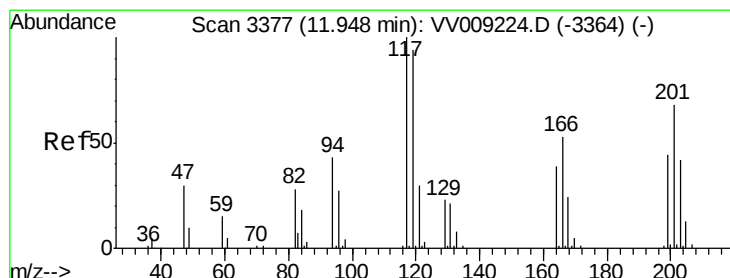
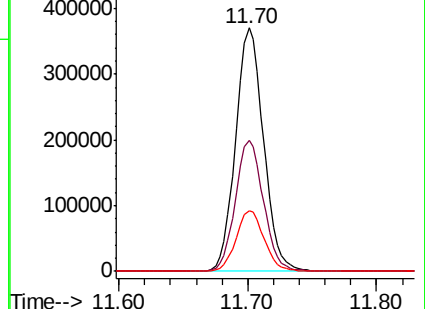
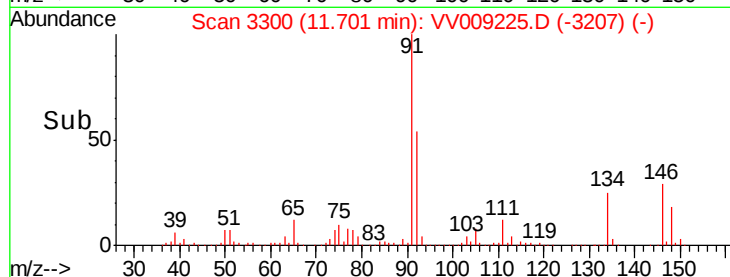
134 24.9 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VV009225.D (-3287) (-)

Ion 92.00 (91.70 to 92.70): VV009225.D (-3287) (-)

Ion 134.00 (133.70 to 134.70): VV009225.D (-3287) (-)



#90

Hexachloroethane

Concen: 109.527 ug/l

RT: 11.95 min Scan# 3377

Delta R.T. -0.00 min

Lab File: VV009225.D

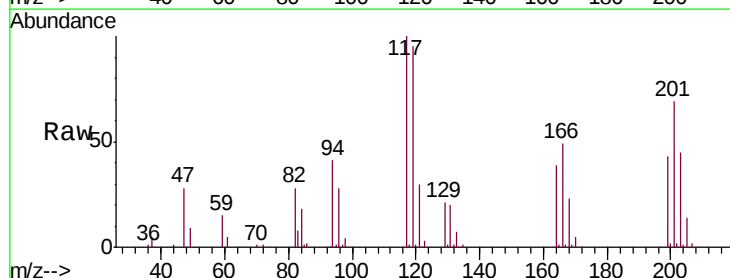
Acq: 18 Jan 2019 17:22

Tgt Ion: 117 Resp: 107679

Ion Ratio Lower Upper

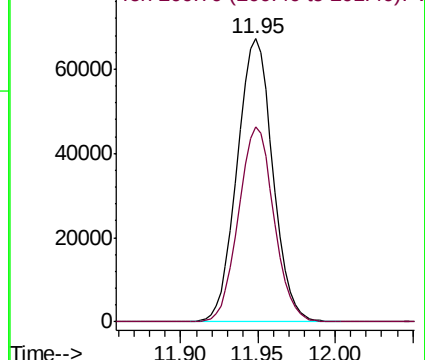
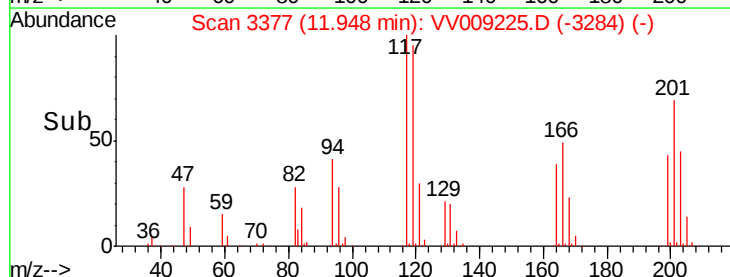
117 100

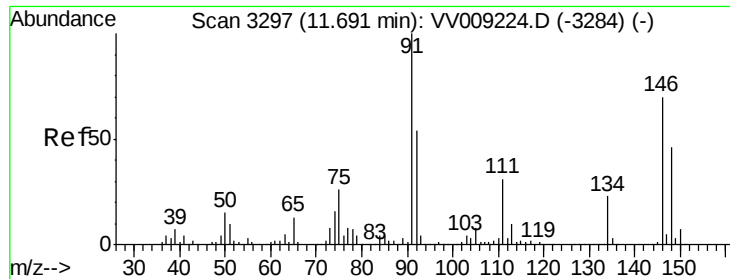
201 68.3 34.4 103.2



Abundance Ion 116.80 (116.50 to 117.50): VV009225.D (-3284) (-)

Ion 200.70 (200.40 to 201.40): VV009225.D (-3284) (-)





#91

1,2-Dichlorobenzene

Concen: 108.004 ug/l

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

VSTDIC100

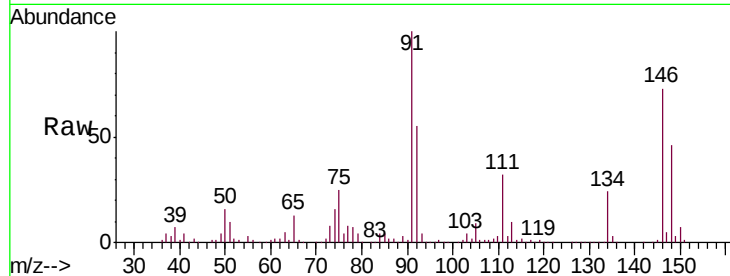
Tgt Ion:146 Resp: 249750

Ion Ratio Lower Upper

146 100

111 43.2 21.9 65.7

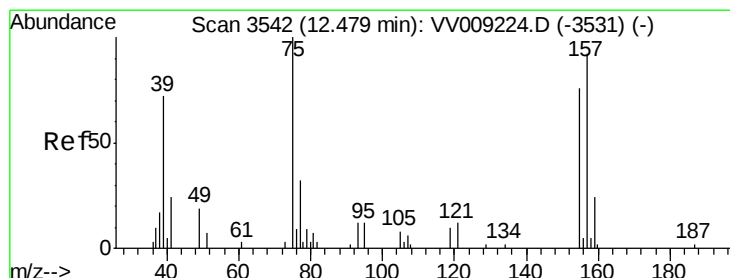
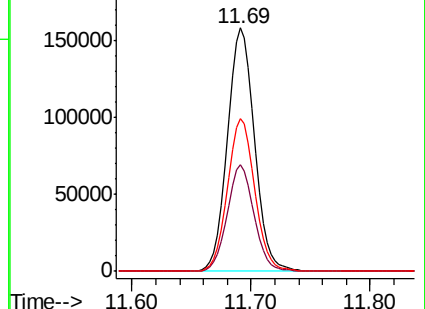
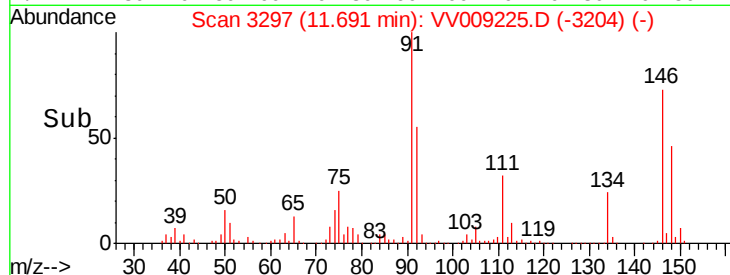
148 63.1 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 116.925 ug/l

RT: 12.48 min Scan# 3542

Delta R.T. -0.00 min

Lab File: VV009225.D

Acq: 18 Jan 2019 17:22

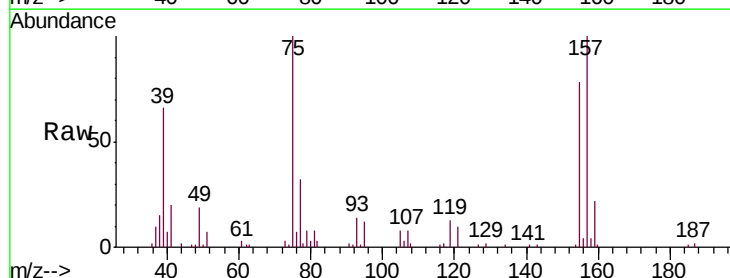
Tgt Ion: 75 Resp: 21227

Ion Ratio Lower Upper

75 100

155 75.7 36.4 109.1

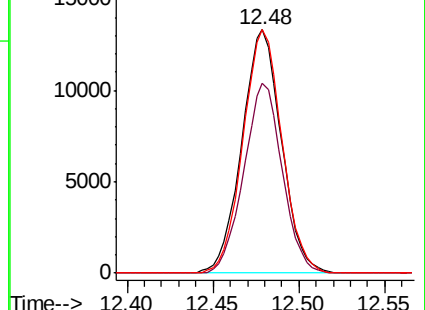
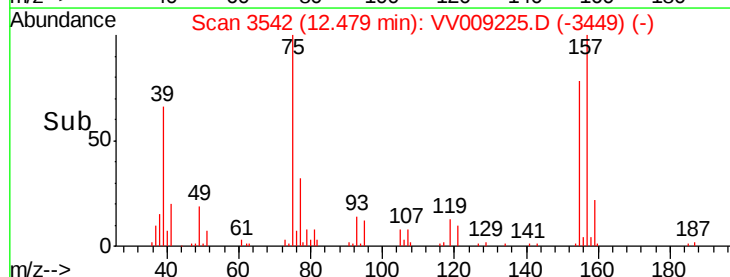
157 98.4 44.9 134.5

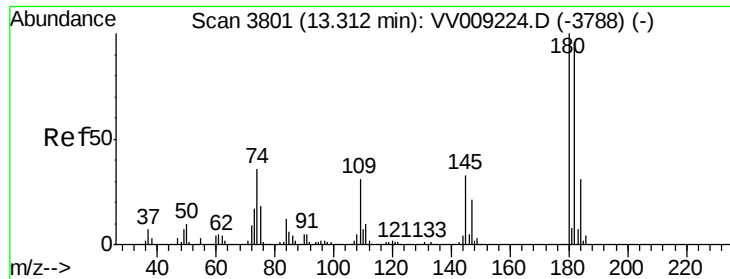


Abundance Ion 74.90 (74.60 to 75.60): VV0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

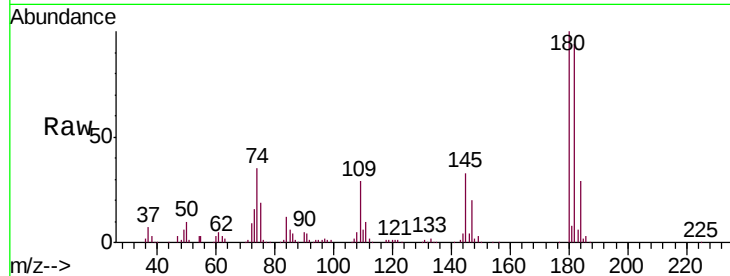




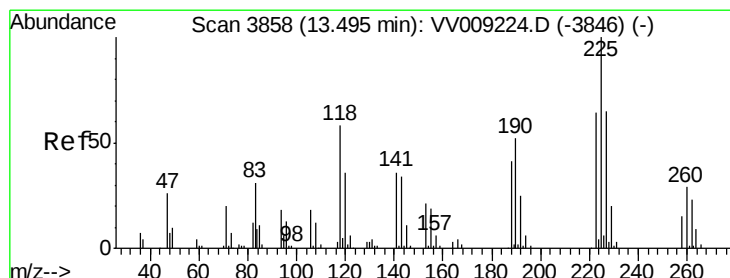
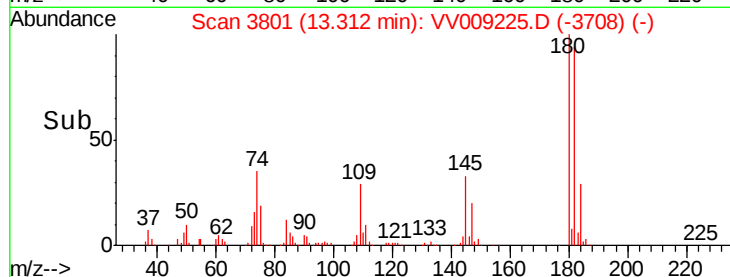
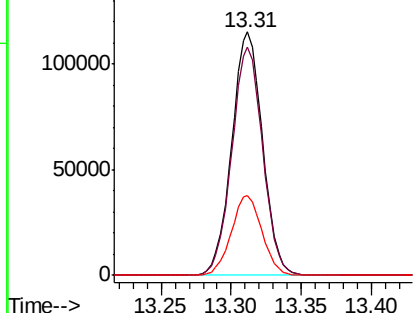
#93
 1,2,4-Trichlorobenzene
 Concen: 114.441 ug/l
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009225.D
 Acq: 18 Jan 2019 17:22

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC100

Tgt Ion:180 Resp: 176062
 Ion Ratio Lower Upper
 180 100
 182 93.9 47.8 143.3
 145 32.8 16.7 50.0

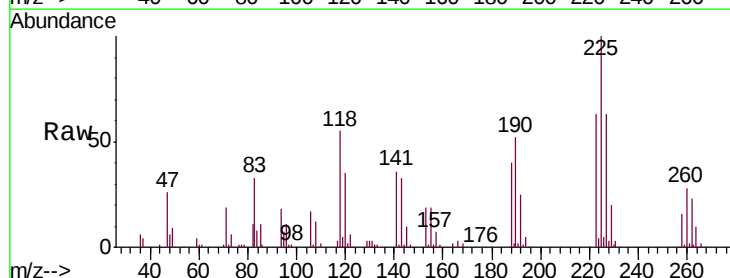


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

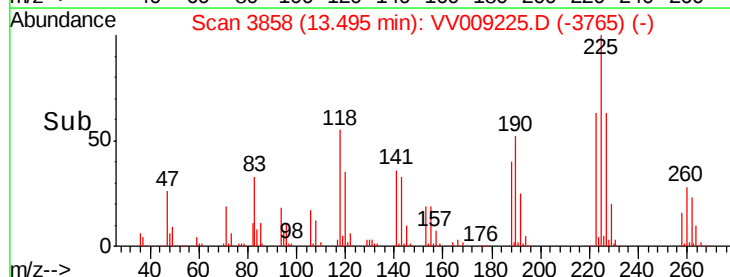
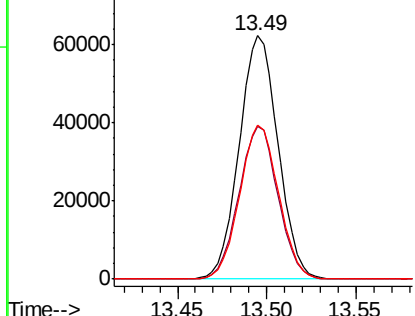


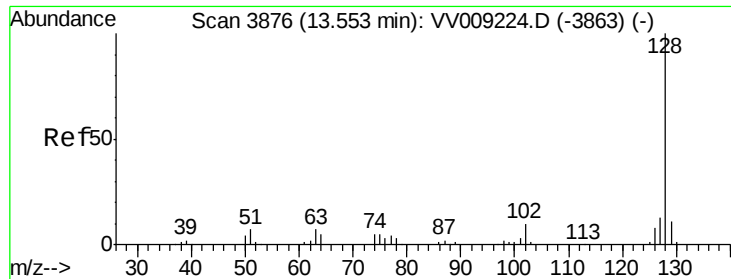
#94
 Hexachlorobutadiene
 Concen: 107.565 ug/l
 RT: 13.49 min Scan# 3858
 Delta R.T. -0.00 min
 Lab File: VV009225.D
 Acq: 18 Jan 2019 17:22

Tgt Ion:225 Resp: 94740
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.5 94.5
 227 63.5 32.1 96.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

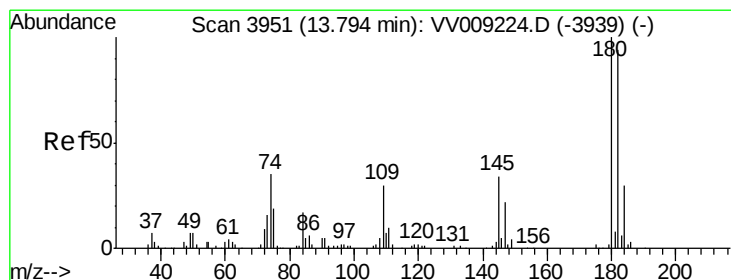
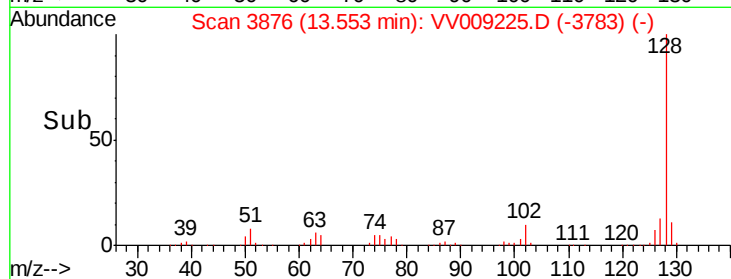
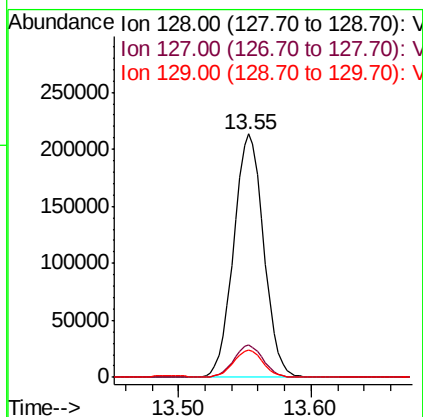
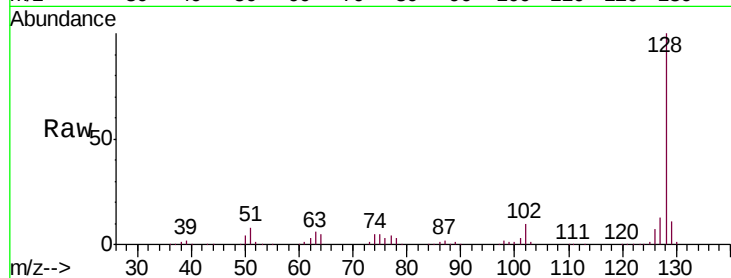




#95
Naphthalene
Concen: 121.017 ug/l
RT: 13.55 min Scan# 3876
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 335402
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 112.537 ug/l
RT: 13.79 min Scan# 3951
Delta R.T. -0.00 min
Lab File: VV009225.D
Acq: 18 Jan 2019 17:22

Tgt Ion:180 Resp: 152617
Ion Ratio Lower Upper
180 100
182 94.6 46.7 140.1
145 34.9 17.0 51.0

